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CHARTER,

SUPPLEMENTAL CHARTERS,

BY-LAWS,

AND

LIST OF MEMBERS

OF

The Institution of Civil Engineers.

ESTABLISHED 2 JANUARY, 1818.—INCORPORATED BY ROYAL CHARTER 3 JUNE, 1828.

“FOR THE GENERAL ADVANCEMENT OF MECHANICAL SCIENCE.”

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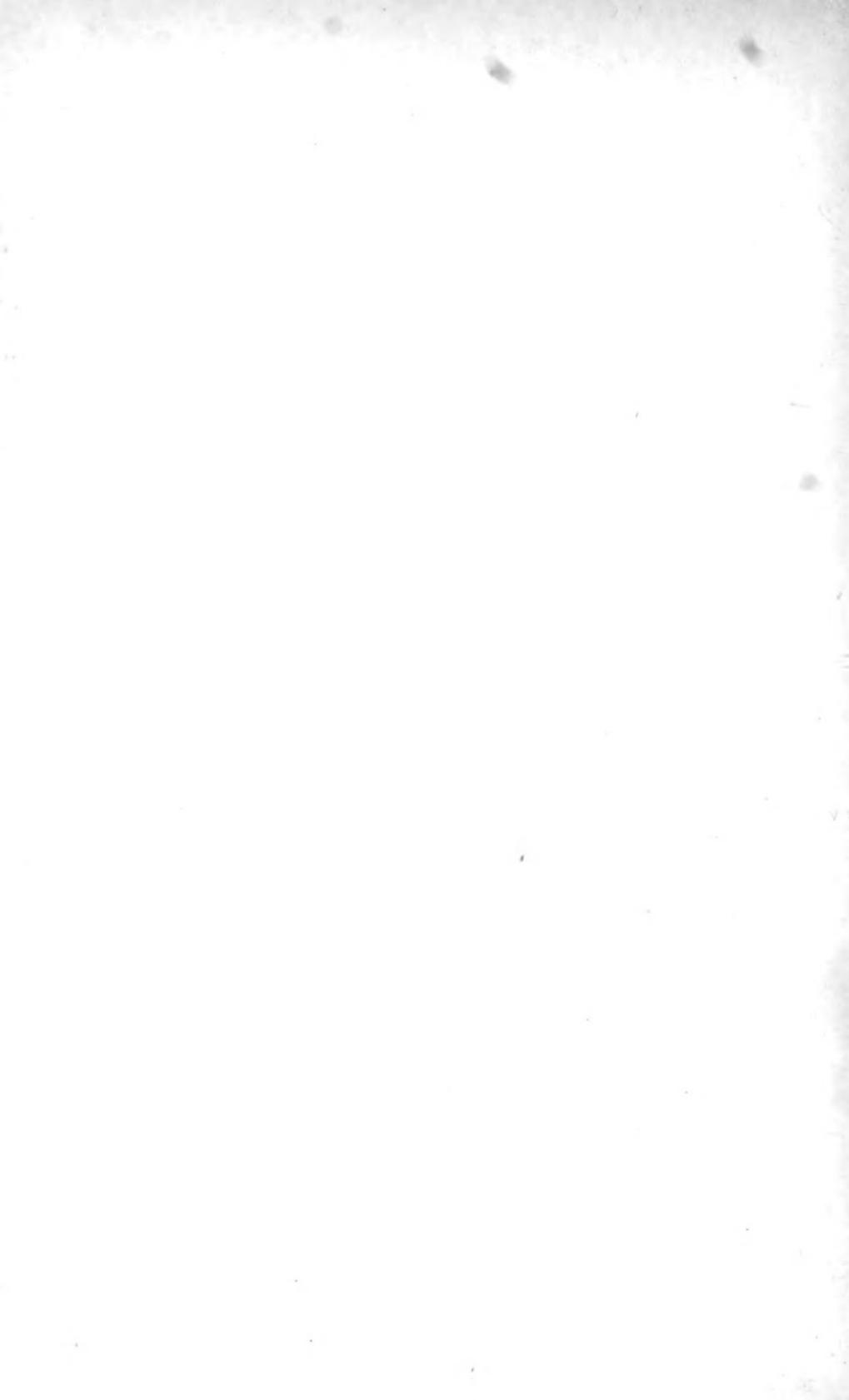
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## C H A R T E R.



CHARTER  
OF  
The Institution of Civil Engineers.

INCORPORATED 3 JUNE, 1828.

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GEORGE THE FOURTH, by the Grace of God, of the United Kingdom of Great Britain and Ireland King, Defender of the Faith: To all to whom these Presents shall come, Greeting:

WHEREAS THOMAS TELFORD, of Abingdon Street, in our city of Westminster, Esquire, a Fellow of the Royal Societies of London and Edinburgh, and others of our loving subjects, have formed themselves into a Society for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the Great Sources of Power in Nature for the use and convenience of man, as the means of production and of traffic in states both for external and internal trade, as applied in the construction of roads, bridges, aqueducts, canals, river navigation and docks, for internal intercourse and exchange, and in the construction of ports, harbours, moles, breakwaters and lighthouses, and in the art of navigation by artificial power for the purposes of commerce, and in the construction and adaptation of machinery, and in the drainage of cities and towns: And have subscribed and collected considerable sums of money for those purposes: And We have been besought to grant to them, and to those who shall hereafter become members of the same Society, our Royal Charter of Incorporation, for the purposes aforesaid: Now KNOW YE, that We, being desirous of encouraging a design so laudable

The nature and object of the Society.

Name of the  
Society.

and salutary, of our especial grace, certain knowledge, and mere motion, have willed, granted, and declared: And do by these presents, for us, our heirs and successors, will, grant, and declare, that the said THOMAS TELFORD, and such others of our loving subjects as have formed themselves into, and are now members of the said Society, or who shall at any time hereafter become members thereof, according to such regulations or by-laws as shall be hereafter framed or enacted, shall, by virtue of these presents, be the members of, and form one Body Politic and Corporate, for the purposes aforesaid, by the name of "THE INSTITUTION OF CIVIL ENGINEERS;" by which name they shall have perpetual succession, and a common seal, with full power and authority to alter, vary, break, and renew the same, at their discretion: and by the same name to sue, and be sued, implead, and be impleaded, answer, and be answered unto, in every court of us, our heirs and successors; and be for ever able and capable in the law, to purchase, receive, possess, and enjoy to them and their successors, any goods and chattels whatsoever, and also be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, lands, tenements, or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof; and to act in all the concerns of the said body politic and corporate for the purposes aforesaid, as fully and effectually to all intents, effects, constructions, and purposes whatsoever, as any other of our liege subjects, or any other body politic or corporate in our United Kingdom of Great Britain and Ireland, not being under any disability, might do in their respective concerns. And We do hereby grant our especial licence and authority unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements, or hereditaments, not exceeding such annual value as aforesaid

And our will and pleasure is, and We further grant and declare, that there shall be a General Meeting of the members of the said body politic and corporate, to be held from time to time, as hereinafter mentioned, and that there shall always be a Council, to direct and manage the concerns of the said body politic and corporate; and that the General Meetings and the Council shall have the entire direction and management of the same, in the manner, and subject to the regulations, hereinafter mentioned. But our will and pleasure is, that at all General Meetings, and Meetings of the Council, the majority of the members present, and having a right to vote thereat respectively, shall decide upon the matters propounded at such Meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And We do hereby also will, grant, and declare, that the Council shall consist of a President, four Vice-Presidents, and not more than fifteen, nor less than seven other Members, to be elected out of the Members of the said body politic and corporate; and that the first Members of the Council, exclusive of the President, shall be elected within six calendar months after the date of this our Charter; and that the said THOMAS TELFORD shall be the first President of the said body politic and corporate. And We do hereby further will, grant, and declare, that it shall be lawful for the Members of the said body politic and corporate, hereby established, to hold General Meetings once in the year, or oftener, for the purposes hereinafter mentioned (viz.); That the General Meetings shall choose the President, Vice-Presidents, and other Members of the Council; that the General Meetings shall make and establish such by-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate, for the admission of Members, for the management of the estates, goods and business of the said body politic and corporate, and for fixing and determining the manner of electing the President, Vice-Presidents, and other Members of the Council, and the period of their continuance in office; as also of electing and appointing a Treasurer, two Auditors, and two Secretaries, and such other officers, attendants, and servants, as shall be deemed necessary or useful for the said body politic and corporate; and such by-laws

A General Meeting and Council.  
The Member presiding at any Meeting shall have a second or casting vote.  
Constitution of the Council.  
General Meetings to make by-laws and regulations.  
Mode of electing Officers to be defined by by-laws.

By-laws may  
be altered.

No by-law to  
be repugnant to  
this Charter.

Council to have  
sole manage-  
ment of the  
funds.

Property  
vested in the  
Members.

No by-laws to  
be made con-  
trary to the  
laws of this  
Realm.

from time to time shall or may alter, vary, or revoke, and shall or may make such new and other by-laws as they shall think most useful and expedient, so that the same be not repugnant to these presents, or to the laws and statutes of this our Realm; and shall and may also enter into any resolution, and make any regulation, respecting any of the affairs and concerns of the said body politic and corporate, that shall be thought necessary and proper. And We further will, grant, and declare, that the Council shall have the sole management of the income and funds of the said body politic and corporate, and also the entire management and superintendence of all the other affairs and concerns thereof; and shall or may, but not inconsistently with, or contrary to the provisions of this our Charter, or any existing by-law, or the laws and statutes of this our Realm, do all such acts and deeds as shall appear to them necessary or essential to be done, for the purpose of carrying into effect the objects and views of the said body politic and corporate. And We further will, grant, and declare, that the whole property of the said body politic and corporate shall be vested, and We do hereby vest the same solely and absolutely in the Members thereof, and that they shall have full power and authority to sell, alienate, charge or otherwise dispose of the same, as they shall think proper; but that no sale, mortgage, incumbrance, or other disposition of any messuages, lands, tenements, or hereditaments, belonging to the said body politic and corporate, shall be made, except with the approbation and concurrence of a General Meeting. And We lastly declare it to be our Royal will and pleasure, that no resolution, or by-law, shall on any account or pretence whatsoever be made by the said body politic and corporate in opposition to the general scope, true intent, and meaning of this our Charter, or the laws or statutes of our Realm; and that if any such rule or by-law shall be made, the same shall be absolutely null and void, to all intents, effects, constructions, and purposes whatsoever. In witness whereof We have caused these our Letters to be made Patent. Witness Ourself at our Palace of Westminster, this third day of June, in the ninth year of our reign.

By Writ of Privy Seal.

SCOTT.

**SUPPLEMENTAL CHARTER, 1887.**



## SUPPLEMENTAL CHARTER.

3 August, 1887.

VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith : To all to whom these presents shall come, Greeting :

WHEREAS the body politic and corporate of THE INSTITUTION OF CIVIL ENGINEERS was incorporated under or by virtue of a certain Charter or Letters Patent bearing date at Westminster the 3rd day of June in the ninth year of the Reign of King George the Fourth, and the said Institution is now regulated and governed by and according to the provisions of the said Charter or Letters Patent, and also by or according to certain by-laws and regulations made by the said Institution : AND WHEREAS by the said Charter or Letters Patent the said Institution has full power and authority *inter alia* to be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors a Hall, and any messuages, lands, tenements or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof : AND WHEREAS the said Institution presented their humble petition to us, alleging, *inter alia*, as follows :

" At the time the said Charter was granted the number of members of all classes was 156, and the income for that year was £446 16s. ; the number of members of all classes on the 3rd of June, 1886, was 5,174, and the total annual receipts of the said Institution for the past year were £19,945. The premises now

occupied by the Institution are situate at No. 25 Great George Street, Westminster, and the Institution entered into possession of them at Christmas 1839. The said premises have become and are totally inadequate for the accommodation now required: It is therefore in contemplation to acquire additional property adjoining the said premises for the extension thereof. The powers of the Charter as to holding land have become exhausted, and the Institution are therefore desirous that the yearly value of the property to be held by them should be extended to the sum of £10,000 at the time of purchase."

Therefore the petitioners most humbly supplicated Us to grant Our Royal Charter, enlarging the Charter of Incorporation for the purpose of empowering the Institution to purchase and hold messuages, lands, tenements and hereditaments of a yearly value not exceeding at the time of purchase the sum of £10,000.

Now know ye, that We, taking the premises into Our Royal consideration of Our especial grace, certain knowledge and mere motion, have granted, constituted and appointed, and by these presents for Us, Our heirs and successors, do grant, constitute and appoint as follows, that is to say:—

1. That the powers of The Institution of Civil Engineers notwithstanding the Statutes of Mortmain, to take purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, tenements or hereditaments whatsoever, the yearly value whereof was not to exceed the yearly value in the said Charter mentioned, and the powers unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements or hereditaments, not exceeding the yearly value therein mentioned, shall be and are hereby extended, so that the yearly value of the Hall, messuages, lands, tenements and hereditaments, acquired or to be acquired

under the said Charter and this Charter, shall not exceed £8,000, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof: PROVIDED, that such messuages, tenements or hereditaments shall be aliened, taken and held by the said Institution to be used and enjoyed solely for the purposes thereof and not otherwise.

2. And We do hereby, for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things valid and effectual in law according to the true intent and meaning of the same, and shall be construed and adjudged in the most favourable and beneficial sense for the best advantage of the said Institution, as well in Our Courts as elsewhere, notwithstanding any recital, misrecital, uncertainty or imperfection in these Our Letters Patent.

IN WITNESS whereof We have caused these Our Letters to be made Patent. Witness ourself at Westminster the 3rd day of August, in the fifty-first year of Our Reign.

By Warrant under the Queen's Sign Manual,

MUIR MACKENZIE.





**SUPPLEMENTAL CHARTER, 1896.**



## SUPPLEMENTAL CHARTER.

20 *March*, 1896.

VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith: To all to whom these presents shall come, Greeting:

WHEREAS the body politic and corporate of THE INSTITUTION OF CIVIL ENGINEERS was incorporated under or by virtue of a certain Charter or Letters Patent bearing date at Westminster the 3rd day of June, in the ninth year of the reign of King George the Fourth, and the said Institution is now regulated and governed by and according to the provisions of the said Charter or Letters Patent, and a certain Supplemental Charter or Letters Patent, dated the 3rd day of August, in the fifty-first year of Our reign, and by or according to certain By-laws and regulations made by the said Institution. AND WHEREAS by the said Charter or Letters Patent of the ninth year of the reign of King George the Fourth it is provided (*inter alia*) that there shall be a General Meeting of the Members of the said body politic and corporate to be held from time to time as therein mentioned, and that there shall always be a Council to direct and manage the concerns of the said body politic and corporate, and that the General Meetings and the Council shall have the entire direction and management of the same in the manner and subject to the regulations therein mentioned, and that at all General Meetings and Meetings of the Council the majority of the members present and having the right to vote thereat respectively shall decide upon the matters propounded at such Meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And that the Council shall consist of a President, four Vice Presidents, and not more than fifteen

nor less than seven other Members, to be elected out of the said body politic and corporate, and that it shall be lawful for the said body politic and corporate to hold General Meetings once in the year or oftener, for the purposes therein mentioned, including (inter alia) that the General Meeting shall choose the President, Vice Presidents, and other Members of the Council, and that the General Meetings shall make and establish such By-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate and (inter alia) for fixing and determining the manner of electing the President, Vice Presidents, and other Members of the Council. AND WHEREAS the said recited portions of the Charter of the ninth year of the reign of King George the Fourth were unaffected by the said Supplemental Charter of the fifty-first year of Our reign, and still remain in force. AND WHEREAS the said Institution presented their humble Petition to Us alleging (inter alia) as follows:—

At the time the said Charter of the ninth year of the reign of King George the Fourth was granted, the number of Members of all classes was one hundred and fifty-six; the prescribed number of the Council was sufficient to enable the Institution to place upon the Council an adequate number of representative men having regard to the total number of Members, and the scope of all branches of Engineering science, as then taught and practised throughout the Realm; and the number of Members residing in or near to the Metropolis formed a large proportion of the whole number, and could reasonably be expected personally to attend General Meetings for the purpose of electing a President, Vice Presidents, and other Members of the Council.

On the 2nd day of January, One thousand eight hundred and ninety-six, the number of Members of all classes was Five thousand nine hundred and sixty-nine; the prescribed number of Members of the Council is no longer sufficient to enable the Institution to place on the Council an adequate number of representative

men having regard to the total number of Members, and the scope of all branches of Engineering science, as now taught and practised throughout the Realm ; and the number of Members residing in or near the Metropolis now forms a comparatively small portion of the whole number, and a large proportion cannot now be reasonably expected, personally, to attend General Meetings for the purpose of electing a President, Vice Presidents, and other Members of Council. It is desired by the Members of the Institution, and is expedient, that the maximum number of Members of the Council (exclusive of the President and Vice Presidents) should no longer be limited to fifteen, but should be such number as may be from time to time fixed by the By-laws, having regard to the growth and requirements of the Institution, and that in the maximum number there may be included such number (not being more than four), of Past Presidents of the Institution, to be appointed by the Council from time to time in accordance with By-laws to be made in that behalf, to act as Members of the Council together with the President, Vice Presidents, and elected Members of the Council; and that the minimum number of Members of the Council (exclusive of the President and Vice Presidents, but inclusive of any Past Presidents appointed as aforesaid) should be raised from seven to twenty-two; and that the power of taking part in the election of a President, Vice Presidents, and elected Members of Council should not be confined to Members actually present at a General Meeting; and that the Institution should have power to conduct such election by means of ballot or voting papers in such manner as may be from time to time prescribed by By-laws made in accordance with the said Charters.

Therefore the Petitioners most humbly supplicated Us to grant Our Royal Charter for the purpose of enabling the number of Members of the Council of the Institution to be enlarged in manner aforesaid, and for the purpose of enabling

the votes of Members not actually present at a Meeting to be taken into account in the election of the President, Vice Presidents, and other Members of the Council of the Institution.

Now KNOW YE that We, taking the premises into Our Royal consideration, of Our especial grace, certain knowledge and mere motion, Have granted, constituted, and appointed, and by these presents, for Us, Our heirs and successors, Do grant, constitute and appoint in manner following, that is to say:—

THAT, notwithstanding anything in the Charter of the ninth year of the reign of King George the Fourth, incorporating THE INSTITUTION OF CIVIL ENGINEERS, the By-laws of the Institution may from time to time prescribe a maximum number of Members of the Council (other than and exclusive of the President and Vice Presidents) and that from and after the enactment of any such By-law the number of Members of the Council (other than and exclusive of the President and Vice Presidents) shall not be more than the maximum so prescribed, nor less than twenty-two.

THAT, notwithstanding anything in the said Charter, the By-laws of the Institution may from time to time prescribe that a certain number (not being more than four) of the Members of the Council shall be former Presidents of the Institution, to be appointed by the Council from time to time, in accordance with such By-laws, to act as Members of Council together with the President, Vice Presidents, and elected Members of the Council, and so that the Past Presidents so appointed shall, while they hold office under such appointment, be deemed to be members of the Council for the purpose of computing the maximum and minimum number of Members, and for all other purposes.

THAT, notwithstanding anything in the said Charter, the votes of Members not actually present at Meetings at which the election of the President, Vice Presidents, and other Members of the Council (other than Past Presidents appointed under this Our Charter) is propounded, or at which the President, Vice Presidents, and Members (other than as last aforesaid) are chosen, may be taken into account by means of ballot or voting papers or instruments of proxy

as may be prescribed by by-laws from time to time framed for that purpose by the Institution.

THAT the Council, consisting of a President, four Vice Presidents, and not more than the maximum number for the time being prescribed by the By-laws, nor less than twenty-two other Members constituted in accordance with this Our Charter, shall have the direction and management of the concerns of the said body politic and corporate, and the rights and duties conferred on the Council elected out of the said body politic and corporate in accordance with the said Charter of the ninth year of the reign of King George the Fourth.

AND We do hereby, for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things valid and effectual in law according to the true intent and meaning of the same, and shall be construed and adjudged in the most favourable and beneficial sense for the best advantage of the said Institution, as well in Our Courts as elsewhere, notwithstanding any recital, misrecital, uncertainty, or imperfection in these Our Letters Patent.

IN WITNESS whereof We have caused these Our Letters to be made Patent. Witness Ourselves at Westminster, the twentieth day of March, in the Fifty-ninth year of our reign.

BY WARRANT UNDER THE QUEEN'S SIGN  
MANUAL.

MUIR MACKENZIE.





## **BY-LAWS AND REGULATIONS.**



## BY-LAWS AND REGULATIONS

OF

*The Institution of Civil Engineers.*

AS AMENDED 20 DECEMBER, 1898.

## SECTION I.

## OBJECTS.

THE INSTITUTION OF CIVIL ENGINEERS was first established, and has since been incorporated by Royal Charter, for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer.

## SECTION II.

## CONSTITUTION.

1. THE INSTITUTION OF CIVIL ENGINEERS shall consist of Members, of Associate Members, of Associates entitled to the privileges of Corporate Membership, and of Honorary Members. All such Members, Associate Members, Associates, and Honorary Members may hereafter be referred to as Corporate Members. The Institution may also have attached to it Associates who are not entitled to the privileges of Corporate Membership, and Students.

2. MEMBERS shall comprise every person who, on the 2nd of December, 1878, was on the Register as a Member; and every person thereafter elected or transferred into the class of Members. Every Candidate for election or transfer into the

class of Members shall be more than thirty years of age, and shall come within one of the following conditions:—

He shall have been regularly educated as a Civil Engineer, shall have had subsequent employment for at least five years and shall be actually engaged at the time of his application for election, in responsible situations as Resident Engineer, or otherwise, in some of the branches defined by the Charter as constituting the profession of a Civil Engineer; or,

He shall have practised on his own account in the profession of a Civil Engineer for at least five years, and shall have acquired a considerable degree of eminence in the same.

3. ASSOCIATE MEMBERS shall comprise every person who, being a Civil Engineer by profession, was on the register as an Associate on the 2nd of December, 1878, and every person thereafter elected into the class of Associate Members.

Every candidate for election into the class of Associate Members shall be more than twenty-five years of age, (a) He shall have been regularly educated as a Civil Engineer, shall have passed such examination or examinations as are appointed or are recognized by the Council, and shall be actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter; or,

(b), He shall satisfy the Council that he has had a sufficient training, that he has been engaged for at least five years and that he is actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter, and shall furnish a satisfactory Thesis or Paper on a professional subject; or, (c), He shall, whilst complying with either of the foregoing conditions as to training and occupation as set forth in the paragraphs (a) and (b), afford satisfactory proof to the Council of his fitness for election without either examination or the submission of a Thesis or Paper.

4. ASSOCIATES ENTITLED TO THE PRIVILEGES OF CORPORATE MEMBERSHIP shall comprise every person who, not being a Civil Engineer by profession, was on the Register as an Associate on the 2nd of December, 1878.

5. ASSOCIATES NOT ENTITLED TO THE PRIVILEGES OF CORPORATE MEMBERSHIP shall be persons who are not Civil Engineers by profession, but whose pursuits constitute branches of Engineering, or who by their connection with Science or the Arts, or otherwise, are qualified to concur with Civil Engineers in the advancement of professional knowledge.

6. HONORARY MEMBERS shall be either distinguished individuals, who from their position are enabled to render assistance in the prosecution of public works, or persons eminent for science and experience in pursuits connected with the profession of a Civil Engineer, but who are not engaged in the practice of that profession in the United Kingdom or its dependencies.

7. STUDENTS shall be persons not under eighteen years of age, who are, or have been, pupils of Corporate Members of the Institution, who have complied with the regulations of Section IV. of these By-Laws, and who have the object or intention of becoming engaged in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter; and such persons may continue Students until they attain the age of twenty-six years, but not longer.

8. The Officers of the Institution shall be a President, four Vice-Presidents, and other Members of Council to be elected or nominated under the By-Laws, who shall constitute the Council to direct and manage the concerns of the Institution; also two Auditors of Accounts, a Treasurer, and two Secretaries. Such Officers shall be elected or appointed annually in manner hereinafter directed.

9. Any Member, Associate Member, Associate, Honorary Member, or Student, having occasion to designate himself as belonging to the Institution, shall state the class to which he belongs, according to the following abbreviated forms, *viz.* M. Inst. C.E., Assoc. M. Inst. C.E., Assoc. Inst. C.E., Hon. M. Inst. C.E., Stud. Inst. C.E.

### SECTION III.

#### ELECTION, TRANSFER AND EXPULSION OF MEMBERS, ASSOCIATE MEMBERS, ASSOCIATES AND HONORARY MEMBERS.

1. Any person desirous of being elected a Member, Associate Member, Associate, or Honorary Member, must be proposed and recommended according to the Form A in the Appendix, in which the name, usual residence, and qualifications of the candidate shall be distinctly specified. The proposal must be signed by at least six Corporate Members certifying a personal knowledge of the candidate, and a full conviction of his qualifications, and the candidate must sign the undertaking appended to the Form.

2. The proposal so made, being delivered to the Secretary, shall be submitted to the Council, who shall consider the qualifications specified, and shall in the case of persons required by these By-laws to have passed Examinations appointed or recognised by the Council, or to have furnished Theses or Papers, satisfy themselves that the candidate has passed the necessary examination or examinations, or has furnished the necessary Thesis or Paper. The Council shall determine the class for which the candidate is to be presented for Ballot, and shall specify the same on the proposal. The Chairman of the Meeting of Council which approves, or (after being satisfied as aforesaid) finally approves, the eligibility of a candidate, shall sign the proposal, which shall then be read at the next Ordinary Meeting of the Institution, and be placed in some conspicuous situation until the candidate is balloted for, and six clear days shall elapse between the reading of the proposal and the Ballot.

The Council shall cause to be held examinations for persons desirous of being elected Associate Members, and shall frame regulations for such examinations, defining the times at which they shall be held, the subjects which they shall comprise, and the fees to be paid or deposited by candidates in respect of such examinations; and they may from time to time add to or vary or rescind any of the aforesaid regulations as it may appear to them to be necessary.

The examinations shall be directed by the Council, who shall obtain such assistance as may be necessary from qualified persons to be appointed by them examiners in such subjects as the Council may from time to time determine. The remuneration of such examiners shall be fixed by the Council. The Council may in their discretion permit persons<sup>1</sup> who are not at the time candidates for election to present themselves for examination, and if they pass such examination the Council may exempt them (wholly or partially) from further examination if they subsequently apply for election. After each examination held under the direction of the Council a report of the names of those who have passed shall be presented by the examiners to the Council. The Council shall have power to recognize such University degrees and Collegiate or other certificates as after scrutiny they may deem to prove a sufficient standard of attainment in the subjects referred to; and may exempt such graduates or holders of such certificates from passing the aforesaid examinations appointed and directed by the Council.

3. Any person whose proposal has been passed by the Council shall be duly informed of it by a letter from the Secretary.

4. Ballots shall take place at the first Ordinary Meeting of the Institution in the month of December in each year, and at the first Meeting in each ensuing month during the Session, and at the last Meeting but one in the Session. Only Corporate Members have the right of voting.

5. Every candidate shall be declared to be elected unless there be at least one negative vote for every four affirmative votes.

6. In any election a second ballot shall be granted, at the same Meeting, if it be demanded immediately by any three persons present having a right to vote.

7. In case of the non-election of any person balloted for no notice shall be taken thereof on the minutes.

8. The proposal for transferring any person from the class of Associate Members to the class of Members shall be according to Form C in the Appendix. This form being subscribed by at least ten Corporate Members, and delivered to the Secretary, shall be submitted to the Council, who, subject to the conditions

<sup>1</sup> At present such permission is granted only to Students of the Institution.

hereinbefore set forth, may, if they think fit, make the proposed transfer.

9. Any person duly elected a Member, Associate Member, Associate, or Honorary Member, or transferred from one class to another, shall be informed thereof without delay, by a letter, according to the Form D, enclosing a promise (Form E), which promise the person elected or transferred must sign and return to the Secretary, and he must pay the admission fee and annual subscription for the current year (or the increase thereof in case of transfer) within two months after the date of his election or transfer which otherwise shall become void; but the Council may in particular cases extend the time.

10. Every individual elected, and having signed the Form E in the Appendix, and the Register of the Institution, and having likewise made the proper payments, shall receive the diploma of his election. At the first Ordinary Meeting at which he is present, he shall, after having fulfilled the foregoing requirements, be introduced according to the ensuing form: *viz.* the President or Chairman of the Meeting, addressing him by name, shall say, "As President (or as Chairman of this Meeting) "of THE INSTITUTION OF CIVIL ENGINEERS, I introduce Mr. "A. B. as a Member, Associate Member, Associate, or Honorary Member (as the case may be)."

11. The Council shall have the right, by a majority of two-thirds of those present at a meeting of the Council, to expel from the Institution any Member, Associate Member or Associate who may be convicted, by a competent tribunal, of felony, embezzlement, larceny, or misdemeanour, or other offence which, in the opinion of the Council, renders him unfit to be a member; and in case the Council shall be of opinion that the conduct of any Member, Associate Member or Associate should become the subject of enquiry with a view of ascertaining whether there are grounds for his expulsion, or in case twenty or more Corporate Members shall think fit to draw up and sign a proposal for the expulsion of a Member, Associate Member or Associate on any ground whatever, and shall deliver the same to the Secretary to be laid before the Council for consideration, the Council shall make such enquiry as they deem adequate; and if they do not find sufficient reason for

expulsion no entry of the enquiry shall be made in the Minutes; but if the Council by a majority of at least eleven-twelfths of those present at a Meeting of the Council specially summoned for the purpose and at which at least twelve Members of Council are present, do find good reason for expulsion of the Member, Associate Member or Associate on the ground that he has been guilty of disgraceful conduct in any professional respect they shall cause such person's name to be erased from the Register and thus expel him from the Institution. The Secretary shall give him notice according to Form G in the Appendix, and the Council shall report such erasure at the next Annual General Meeting.

#### SECTION IV.

##### ADMISSION AND PRIVILEGES OF STUDENTS.

1. Upon producing evidence of having passed such examination or examinations in the subjects of general education as may be appointed or recognized by the Council, persons, between the ages of 18 and 25 years, may be admitted as Students by the Council on the recommendation (according to Form B in the Appendix) of the Corporate Members under whom they are, or have been, pupils; and they may remain Students of the Institution, at and during the pleasure of the Council, until they attain the age of twenty-six years, when they shall cease to be Students.

The Council may cause to be held examinations for persons desirous of being admitted Students, and may frame regulations for such examinations, defining the times at which they shall be held, the subjects which they shall comprise, and the fees to be paid or deposited by candidates in respect of such examinations; and the Council may from time to time add to or vary or rescind such of the aforesaid regulations as may appear to them to be necessary, and shall have power to recognize in their discretion University degrees and Collegiate and other certificates in lieu of examinations appointed under the provisions of this Section.

2. Any person admitted as a Student shall be informed thereof by letter (according to the Form F in the Appendix)

stating that the first year's subscription must be paid within two months, otherwise the admission will be void. When the first subscription shall have been paid he shall be entitled to attend the Ordinary Meetings, but not to vote at such Meetings, and to have the use of the Library (subject to such regulations as the Council may from time to time prescribe), as well as to receive a copy of the Minutes of Proceedings relating to each session during which he shall continue to be a Student.

3. Students of the Institution are eligible to compete for the premiums or prizes arising out of the "Miller Fund," and any other funds devoted by the Institution, or by any person or persons, for premiums or prizes for Students.

4. The Council may accord to Students other privileges, but subject to such terms, regulations, and restrictions, as they shall from time to time prescribe.

5. No Student will be allowed to introduce a stranger into the rooms of the Institution.

## SECTION V.

### CONTRIBUTIONS TO THE FUNDS.

1. Those Members, Associate Members, Associates, and Students, whose place of business or whose residence is within ten miles of the General Post Office, shall be considered Residents, and those beyond such limits Non-Residents.

2. On change of place of business or of residence, so as to go beyond or come within those limits before each annual contribution becomes due, the amount thereof shall vary accordingly.

3. Each resident Member shall pay four guineas, and each non-resident Member three guineas, per annum.

4. Each resident Associate Member and Associate shall pay three guineas, and each non-resident Associate Member and Associate two guineas and a half, per annum. The subscription for the current year paid by an Associate Member shall, on his transfer to Membership, be taken as in part payment of his subscription as a Member for that year.

5. Each resident Student shall pay two guineas, and each non-resident Student one guinea and a half, per annum. The

subscription for the current year paid by a Student shall on his election to Associate Membership, be taken as in part payment of his subscription as an Associate Member for that year.

6. Every new Member, Associate Member and Associate shall on admission to the Institution pay a fee of ten guineas; but no payment, other than the increased annual subscription, shall be due from an Associate Member on his transfer to Membership.

7. Any Member, Associate Member or Associate, whose subscription is not in arrear, may compound for future annual subscriptions by the payment of sixty guineas. All such compositions shall be invested, and the interest alone shall be appropriated to the current expenditure of the Institution, except by special direction of the Council on the report and recommendation of the Finance Committee.

8. All annual subscriptions are due on the first of January in each year for the year then commencing, and must be paid before the first of April of that year; any Member, Associate Member, Associate, or Student, whose subscription is in arrear shall not be entitled to attend any Meeting or to receive the publications. The subscription of any Member, Associate Member, or Associate, elected at the Ballot in December, shall become due on the first of January next ensuing: and the subscription of any Student admitted in the month of November or December shall become due on the first of January next ensuing.

9. Every individual elected a Member, Associate Member or Associate, and every Student, shall be liable for the payment of his annual subscription, until he has signified to the Secretary, in writing, his desire to resign, having previously paid all arrears, or until he has forfeited his right to remain in, or to be attached to, the Institution.

10. Any person whose subscription is two years in arrear, that is to say, whose arrears and current subscription shall not have been paid on or before the first of April, shall be reported to the Council, who shall direct application to be made to him according to Form H; and in the event of its continuing one month in arrear, after such application, the Council shall have the power, after suitable remonstrance, by letter, in the

form so provided (Form I), of erasing the name of the defaulter from the Register or lists of the Institution.

11. In the case of any Corporate Member who has been long distinguished in his professional career, but who, from ill health, advanced age, or other sufficient cause, does not continue to carry on a lucrative practice, the Council, if they find good reason for the remission of the annual subscription, may so remit it. Also they may remit any arrears which are due from such an individual ; or may accept a collection of books, or drawings, or models, or such other contribution as, in their opinion, under the circumstances of the case, may entitle the person to be enrolled as a Life Subscriber, or to enable him to resume his former rank in the Institution which may have been in abeyance from any particular cause. The Council may, if they find good reason to do so, re-instate, under such conditions as they may see fit, any Member, Associate Member or Associate, whose name has been removed from the Register under the provisions of this Section.

These cases must be considered and reported upon to the Council by a Committee appointed by the Council for the purpose.

## SECTION VI.

### CONSTITUTION OF THE COUNCIL.

1. The number of the Council shall be such as the Council in any year may fix for the ensuing year provided that such number shall not be less than twenty-three nor more than thirty-one inclusive in both cases of the President and Vice-Presidents, but exclusive of such of the Past Presidents, if any, as may be appointed by the Council.

The President, the four Vice-Presidents, and other members of the Council (exclusive of Past Presidents, to be appointed by the Council) shall be elected annually, and the Council, when elected for the year, may appoint any number of Past Presidents, not exceeding four, to be members of the Council for the same year.

The year of office for the President, Vice-Presidents and other Members of the Council, shall commence at the com-

mencement of each Session, and the election of the Council at the Annual General Meeting for the ensuing year, and the appointment of other members of the Council for the same year, shall have reference to the next ensuing year of office as hereby defined.

The existing Council shall in all cases continue in office till the commencement of the next Session, notwithstanding that more than a year may have elapsed since the commencement of their year of office.

2. At an Ordinary Meeting at least four weeks before the Annual General Meeting, the Council shall present a list of persons whom they nominate as suitable for the offices of President, Vice-Presidents, and other members of the Council for the ensuing year, exclusive of Past Presidents to be appointed by the Council when elected. The list shall include the names of not less than seven corporate members who have not served on the Council during the current or the preceding year, and the number of names in all shall be at least two in excess of the number of the Council to be elected. The list so presented shall be the balloting list for the annual election on the last Tuesday of the Session.

No person shall be nominated for the office of President more than two years consecutively, and at the expiration of such two years he shall not for a period of three years be eligible to be nominated for that office.

The senior Vice-President in duration of office shall be nominated for President, except he give notice to the Council, at least one month previously, of his intention to decline accepting office.

In case of the decease or resignation of the President, the Council shall be empowered to summon a Special General Meeting of Corporate Members who shall proceed to the nomination and election of a President, the senior Vice-President being nominated as above provided.

3. At the Annual election, each Corporate Member may erase any name or names from the balloting list, and may substitute the name or names of any other person or persons eligible for each respective office; but the number of names on the list, after such erasure or substitution, must be, without the repetition of any of them, the number to be elected to the

respective offices as above enumerated. Those lists which do not accord with these directions shall be rejected by the Scrutineers.

4. At the Ordinary Meeting next before the Annual General Meeting the members shall choose two or more persons as Scrutineers for the purposes of the Ballot. The Balloting List shall immediately after the Ordinary Meeting at which it has been presented by the Council be issued to all members in the United Kingdom, and to any other member residing elsewhere, who may, in writing, request to have the list forwarded to him, and shall be returned to the Secretary, at least three days before the Annual General Meeting, in a closed envelope. The Scrutineers shall open the envelopes and count the votes and report the result at the Annual General Meeting. Any Balloting List on which a member has voted for a number either more or less than one person as President, four persons as Vice-Presidents, and the prescribed number of persons as other elected Members of the Council, shall be rejected by the Scrutineers.

5. The two Auditors shall be elected or appointed by the Annual General Meeting.

6. The Treasurer and Secretaries shall be appointed annually by the Council.

## SECTION VII.

### THE PRESIDENT.

The President shall take the chair at all Meetings of the Institution, the Council, and the Committees, at which he is present, and shall regulate and keep order in the proceedings.

## SECTION VIII.

### THE VICE-PRESIDENTS.

In the absence of the President, it shall be the duty of the Vice-Presidents to preside in rotation at the Meetings of the Institution, and to regulate and keep order in the proceedings. But in case of the absence of the President and of all the Vice-

Presidents, the Meeting may elect any member of Council, or, in case of their absence, any Corporate Member present, to take the chair at the Meeting.

## SECTION IX.

### PROCEEDINGS OF THE COUNCIL.

1. The direction and management of the concerns of the Institution are vested in the Council, under the control of the Charter, By-Laws and Regulations, and of all Resolutions of Special General Meetings of Corporate Members, which have been duly summoned and held in accordance with the Charter and By-Laws, when such Resolutions have been duly entered on the Minutes, and signed by the Chairmen of the Meetings.

2. The Council shall meet as often as the business of the Institution may require; and at every Meeting three shall constitute a quorum. The Council may appoint Committees, for special purposes, to report to the Council.

3. All questions shall be decided in the Council by vote; but at the desire, expressed in writing, of any two members present, the determination of any subject shall be postponed to the succeeding Meeting.

4. A statement of the funds of the Institution, and of the receipts and payments during the past year, terminating on the 31st of March, shall be made, under the direction of the Council, and, after having been verified and signed by the Auditors, shall be laid before the Annual General Meeting.

5. The Council shall draw up a yearly Report on the state of the Institution, which shall be read at the Annual General Meeting.

6. It shall be the duty of the Council to adopt every possible means for the advancement of the Institution; to provide for properly conducting the business of the Institution in all cases of emergency, as the death or resignation of officers; and to arrange for the publication of the Papers read at the Meetings, and of such documents as may be calculated to advance professional knowledge.

## SECTION X.

## THE TREASURER AND THE TWO AUDITORS.

1. The Treasurer shall be a Banker in the Metropolis, with whom all uninvested money belonging to the Institution shall be deposited by the Council on account and for the use of the Institution.

2. No sum of money payable on account of the Institution, amounting to five pounds and upwards, shall be paid except by order of the Council, signed by the Chairman of the Meeting at which the cheque was ordered, and by two other members of Council, and countersigned by the Secretary.

3. The Auditors shall have access at all reasonable times to the Accounts of the pecuniary transactions of the Institution ; and they shall verify and sign the annual statement of the Accounts before it is submitted by the Council to the Annual General Meeting.

## SECTION XI.

## THE SECRETARIES.

1. The Secretaries of whom one shall be Honorary, and the other or acting Secretary shall be designated as the Secretary, shall be appointed every year by the Council, at the first Meeting of the Council after the Annual General Meeting.

2. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution ; to attend all Meetings of the Institution, and of the Council, and of Committees ; to take Minutes of the proceedings of such Meetings ; to read the Minutes of the preceding Meeting and all communications that may be ordered to be read ; to superintend the publication of such Papers as the Council may direct ; to have charge of the Library ; to direct the collection of the

subscriptions and the preparation of the account of the expenditure of the funds, and to present all accounts to the Council for inspection and approval. He shall also engage and be responsible for all persons employed under him, and shall generally conduct the ordinary business of the Institution.

## SECTION XII.

### THE SESSIONS AND MEETINGS.

1. The Session of the Institution shall commence annually on the first Tuesday in November, and shall continue till the end of April, and it shall be in the power of the Council to protract the Session, if it appear advisable.

2. The Meetings of the Institution shall be as follows:—  
1st, the Annual General Meeting of Corporate Members only.  
2nd, Ordinary Meetings. 3rd, Special General Meetings of Corporate Members only, for the purpose of making, altering, and establishing By-laws and Regulations, or for any other special business for which such Meetings may be convened.

3. The Annual General Meeting of the Institution shall be held on the last Tuesday of the Session, at eight o'clock in the evening, to receive and deliberate upon the Report of the Council on the state of the Institution, with the annual statement of the Accounts, and to elect the Council and Officers for the ensuing year.

4. The Ordinary Meetings shall be held on every Tuesday, during the Session, at eight o'clock in the evening, with the exception of the Tuesdays between the Tuesday previous to Christmas Eve and the second Tuesday in January, and also with the exception of Easter Tuesday; but it shall be in the power of any Ordinary Meeting, on the recommendation of the Council, to make such other exceptions as may appear advisable. No new question shall be introduced, or motion be made, after ten o'clock.

5. The business of the Ordinary Meetings of the Institution

shall be conducted as nearly as possible in the following order :—

1. The Minutes of the preceding meeting to be read, and after having been confirmed, to be signed by the Chairman.
  2. Business arising out of the Minutes to be entered on.
  3. Communications from the Council to be brought forward.
  4. Candidates for election to be announced.
  5. Any individual present for the first time since his election, having paid the usual contributions, and signed the Forms and the Register, to be introduced by the Chairman to the Meeting.
  6. Original Communications to be read and discussed.
  7. Candidates for election to be balloted for.
6. Every Corporate Member shall have the privilege of introducing one stranger, to be present at the Ordinary Meetings of the Institution, on writing his name in a book provided for that purpose, or sending with him a card signed with his name, according to a Form provided.
7. No question shall be discussed, or motion be made, at the Ordinary Meetings, relative to the direction and management of the concerns of the Institution ; such direction and management being vested in the Council, under the control of the Charter and By-Laws, and of the Resolutions of Special General Meetings.
8. The Council may at any time call a Special General Meeting of Corporate Members for a specific purpose relative to the direction and management of the concerns of the Institution ; and the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the nature of the business to be transacted.
9. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting ; and the notice shall specify the nature of the business to be transacted, and no other than that business shall be transacted at that Meeting. All Corporate Members shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

### SECTION XIII.

#### OTHER SOCIETIES AND LECTURES.

1. The Council shall have power to grant, from time to time, as they may think fit, the use of the rooms of the Institution to any Society for purposes analogous to those of the Institution, and to any persons who may be desirous of having Lectures delivered on subjects connected with the objects of the Institution.

### SECTION XIV.

#### ENACTMENT OF BY-LAWS AND REGULATIONS.

1. The Council, when they may consider it expedient to propose the enactment of any new By-Law or Regulation, or the alteration or repeal of any existing one, shall summon a Special General Meeting of Corporate Members to decide on the same. And the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the particular new By-Law or Regulation, or the alteration or repeal of any existing one, which they recommend.

2. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting. The notice shall state the general tenour and objects of any new By-Law or Regulation or the alteration or repeal of any existing one, which is to be proposed and discussed ; and the business of the Meeting shall be limited thereto. All the Corporate Members of the Institution (but none other than Corporate Members) shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

3. No new By-Law or Regulation, or alteration or repeal of any existing By-Law or Regulation, shall be proposed at any Meeting of the Institution, except in the manner above prescribed.

4. It shall be sufficient in all cases if the Forms in the Appendix are substantially followed, and no act or proceeding shall be invalid by reason of any formal defect.

## SECTION XV.

## THE PROPERTY OF THE INSTITUTION.

1. The property and effects of the Institution, of what kind soever, are vested in the Corporate Members for the time being, for the use of the body politic and corporate solely, in furtherance of the public and scientific objects contemplated in the Charter.

2. Under no pretence whatever shall such property and effects, or the income or revenue of the Institution, derived from voluntary contributions or otherwise howsoever, be applied in making any dividend, gift, division, or bonus, unto or between any of the Corporate Members, and the same is hereby expressly prohibited, in conformity with the fundamental law and invariable practice of the Institution, as acted upon from its first establishment ; and therefore no proposition in contravention thereof shall be entertained by the Council, or by any Meeting, whether General or Special, of the Corporate Members of the Institution.

3. Every Paper, Map, Plan, Drawing, or Model, presented to the Institution, shall be considered the property thereof, unless there shall have been some previous arrangement to the contrary, and the Council may publish the same in any way and at any time they may think proper. But should the Council refuse or delay the publication of such Paper beyond a reasonable time, the Author thereof shall have a right to copy the same, and to publish it as he may think fit, having previously given notice, in writing, to the Secretary of his intention. Except as hereinbefore provided, no person shall publish, or give his consent for the publication of any communication presented and belonging to the Institution, without the previous consent of the Council.

4. The Library shall be open daily to all Members, Associate Members, Associates, Honorary Members, and Students, from 9.30 A.M. to 5.30 P.M., when they shall have the right to peruse and inspect all Books, Papers, Plans, Maps, &c., belonging to the Institution, and to make copies and extracts therefrom (doing no injury to the same), with the exception of such

documents as the Council shall order not to be inspected or copied; but none of the property of the Institution shall be taken away from the premises without the express permission of the Council.

## SECTION XVI.

### DONATIONS AND BEQUESTS.

1. The names of all persons who have presented any additions to the Library, or to the collections of Plans and Models, or who have made any voluntary contribution to the funds of the Institution, shall be recorded and published as benefactors to the Institution.

2. Every person desirous of bequeathing to the Institution any Manuscripts, Books, Maps, Plans, Drawings, Instruments, or other personal property, is requested to make use of the following form in his will:

“ I give and bequeath to THE INSTITUTION OF CIVIL  
“ ENGINEERS, incorporated by Royal Charter, dated June  
“ the 3rd, 1828, [*here enumerate and particularize the*  
“ *effects or property to be bequeathed:*] And I hereby  
“ declare that the receipt of the Treasurer of the said  
“ Institution for the time being shall be an effectual dis-  
“ charge to my executors for the said legacy or bequest.”



## **APPENDIX TO THE BY-LAWS.**



**A P P E N D I X,**  
**CONTAINING FORMS REFERRED TO**  
**IN**  
**THE BY-LAWS.**

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**FORM A.**

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
 being upwards of twenty-five years of age, born on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, and being desirous of belonging to THE INSTITUTION OF CIVIL ENGINEERS, I recommend him, from PERSONAL KNOWLEDGE, as in every respect worthy of that distinction, because

[Here specify distinctly the Qualifications of the Candidate according to the spirit of Articles 2, 3, 5 and 6, Sect. II., of the By-Laws.]

On the above grounds, I beg leave to propose him to the Council as a proper person to belong to the Institution.

Signed, (A. B.) *Corporate Member.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_.

We, the undersigned, concur in the above recommendation from personal knowledge, and being fully convinced that A. B. is in every respect a proper person to belong to the Institution.

Signed, (X. Y.) *Corporate Members.*

[*Undertaking to be signed by the Candidate.*]

I, the undersigned, do hereby promise, that, in the event of my election, I will be governed by the Royal Charters of the Institution, and by the By-Laws and Regulations as they are now formed, or as they may hereafter be altered, amended, or enlarged, under the powers of the said Charters; and that I will promote the objects of the Institution as far as may be in my power, and will present to the Institution an Original

Communication, model, or scientific work for the library, within the space of twelve months from the date of my election.

Signed, \_\_\_\_\_

The Council, having considered the above recommendation, present A. B. to be balloted for as a \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_

*Chairman.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

### FORM B.

(STUDENT.)

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
 \_\_\_\_\_ born on the \_\_\_\_\_ day  
 of \_\_\_\_\_ 18\_\_\_\_, being desirous of admission as a Student of  
 THE INSTITUTION OF CIVIL ENGINEERS, I recommend him, from PERSONAL  
 KNOWLEDGE, as worthy of that privilege, and as coming within the Rules  
 appertaining to that class, viz.: that he is upwards of eighteen years of  
 age, and is under twenty-five years of age, and is, or has been, *bona fide*,  
 in the course of preparation and training under me, with the object of  
 becoming engaged in the design or in the construction of such works as  
 are comprised within the profession of a Civil Engineer as defined by the  
 Charter.

{Signature of the Proposer, who must be a  
 Corporate Member of the Institution.

Signature of the Candidate.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

The Council, having considered the above recommendation, admit  
 \_\_\_\_\_ as a Student of  
 THE INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_

*Chairman.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

## FORM C.

WE, whose names are hereunto subscribed, submit to the Council of THE INSTITUTION OF CIVIL ENGINEERS the propriety of transferring A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_ born on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, from the class of Associate Members, in which he was elected on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, to the class of MEMBERS, because \_\_\_\_\_

[*Here specify distinctly the Qualifications of the Candidate according to the spirit of Article 2, Sect. II. of the By-Laws.*]

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_

Signed, \_\_\_\_\_

The Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_. transfer A. B. from the class of Associate Members to the class of Members.

Signed, \_\_\_\_\_

*Chairman.*

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## FORM D.

SIR,

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18\_\_\_\_\_.

I have the honour to inform you that you were duly made a \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, on the \_\_\_\_\_ day of \_\_\_\_\_.

According to the Regulations of the Institution, you are required as \_\_\_\_\_ to pay \_\_\_\_\_ being your admission fee, and subscription for the current year, and to return the accompanying obligation with your signature, within two months of the date of your election [*or transfer*]; otherwise your election [*or transfer*] will be void. These conditions being complied with, you will be considered as a \_\_\_\_\_ of the Institution, when the diploma of your election [*or transfer*], and any publications or notices to which you are entitled, will be forwarded according to your directions.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am, Sir, &c.

## FORM E.

I, the undersigned, having become \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, do hereby promise that I will be governed by the Royal Charter of the Institution, and by the By-Laws and Regulations of the said Institution as they are now formed, or as they may hereafter be altered, amended, or enlarged, under the powers of the said Charter; and I promise to promote the objects of the said Institution as far as shall be in my power, and to attend the meetings thereof as often as I conveniently can. Provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

I also engage to present to the Institution an Original Communication, drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election [or transfer].

Witness my hand, this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_

## FORM F.

SIR,

*The Institution of Civil Engineers.*

, 18\_\_\_\_\_.

I have the honour to inform you, that the Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, admitted you as a Student of the Institution.

According to the Regulations of the Institution, you are required to pay the sum of \_\_\_\_\_, being the amount of your first subscription, within two months from the date of your admission, otherwise the admission will be void. When such payment has been made, you will become entitled to the privileges of your class.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am Sir, &c.

## FORM G.

The Institution of Civil Engineers.

\_\_\_\_\_, 18 \_\_\_\_.

Sir,

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you that by a Resolution passed at a Special Meeting of the Council on the \_\_\_\_\_ of \_\_\_\_\_ they have, acting under the powers conferred upon them by Article 11, Section III. of the By-laws and Regulations of the Institution, ordered your name to be erased from the Register, and have declared you to be no longer a \_\_\_\_\_ of the Institution.

I am, Sir, etc.

## FORM H.

The Institution of Civil Engineers.

\_\_\_\_\_, 18 \_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to draw your attention to Articles 8 and 10, Section V. of the By-Laws, and to remind you, that the sum of £ \_\_\_\_\_ of your annual subscriptions to the funds of the Institution remains unpaid, and that you are in consequence in arrear of subscription. I am also directed to request that you will cause the same to be paid without further delay, otherwise the Council will be under the necessity of exercising their discretion, as to using the power vested in them by Article 10, Section V., of the By-Laws and Regulations.

I am, Sir, &amp;c.

## FORM I.

The Institution of Civil Engineers.

\_\_\_\_\_, 18 \_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you, that in consequence of the non-payment of your arrears of subscription, and in pursuance of Article 10, Section V., of

the By-Laws and Regulations, the Council have declared by special vote, on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, that you have forfeited your claim in future to belong to the Institution, and your name will be in consequence expunged from the Register or lists, unless payment is made previous to \_\_\_\_\_.

But notwithstanding such forfeiture as regards the future, I am directed to call upon you for payment of your arrears amounting to £\_\_\_\_ : \_\_\_\_ : \_\_\_\_.

I am, Sir, &c.

LIST OF MEMBERS.

1 OCTOBER, 1902.

# The Institution of Civil Engineers.

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## PAST-PRESIDENTS.

- Mar. 1820. *Thomas Telford*, F.R.S.  
Jan. 1835. *James Walker*, F.R.S.  
Jan. 1845. *Sir John Rennie*, F.R.S.  
Jan. 1848. *Joshua Field*, F.R.S.  
Dec. 1849. *Sir William Cubitt*, F.R.S.  
Dec. 1851. *James Meadows Rendel*, F.R.S.  
Dec. 1853. *James Simpson*.  
Dec. 1855. *Robert Stephenson*, F.R.S., M.P.  
Dec. 1857. *Joseph Locke*, F.R.S., M.P.  
Dec. 1859. *George Parker Bidder*.  
Dec. 1861. *Sir John Hawkshaw*, F.R.S.  
Dec. 1863. *John Robinson McClean*, M.P.  
Dec. 1865. *Sir John Fowler*, Bart., K.C.M.G., LL.D.  
Dec. 1867. *Sir Charles Hutton Gregory*, K.C.M.G.  
Dec. 1869. *Charles Blacker Vignoles*, F.R.S.  
Dec. 1871. *Thomas Hawksley*, F.R.S.  
Dec. 1873. *Thomas Elliot Harrison*.  
Dec. 1875. *GEORGE ROBERT STEPHENSON*.  
Dec. 1877. *John Frederic La Trobe Bateman*, F.R.S.  
Dec. 1879. *WILLIAM HENRY BARLOW*, F.R.S.  
Dec. 1880. *James Abernethy*.  
Dec. 1881. *Lord Armstrong*, C.B., LL.D., D.C.L., M.A.I., F.R.S.  
Dec. 1882. *Sir James Brunlees*.  
Dec. 1883. *Sir Joseph William Bazalgette*, C.B.  
Dec. 1884. *Sir FREDERICK JOSEPH BRAMWELL*, Bart., D.C.L., LL.D., F.R.S.  
May 1886. *EDWARD WOODS*.  
June 1887. *Sir GEORGE BARCLAY BRUCE*.  
May 1889. *Sir John Coode*, K.C.M.G.  
May 1891. *Sir George Berkley*, K.C.M.G.  
May 1892. *Harrison Hayter*.  
May 1893. *Alfred Giles*.  
May 1894. *Sir Robert Rawlinson*, K.C.B.  
May 1895. *Sir BENJAMIN BAKER*, K.C.M.G., D.Sc., LL.D., M.A.I., F.R.S.  
June 1896. *Sir JOHN WOLFE BARRY*, K.C.B., LL.D., F.R.S.  
April 1898. *Sir WILLIAM HENRY PREECE*, K.C.B., F.R.S.  
Nov. 1899. *Sir DOUGLAS FOX*.  
Nov. 1900. *JAMES MANSERGH*, F.R.S.

(The names of those deceased are printed in italics.)

# The Institution of Civil Engineers.

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WILLIAM ROBERT GALBRAITH.

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\* \* \* This Council will continue until November, 1902.

## Officers:

### AUDITORS.

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### HONORARY SECRETARY.

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J. H. T. TUDBERY, D.Sc.

## ENGINEERING CONFERENCE, 1897.

## OFFICERS OF THE SECTIONS.

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*Secretaries* { A. Ross

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J. G. Mair-Rumley

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F.R.S.

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Alexander Siemens

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(The names of those deceased are printed in italics.)

## ENGINEERING CONFERENCE, 1899.

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Francis Elgar, LL.D., F.R.S.  
Rt. Hon. W. J. Pirrie, P.C., LL.D.  
Sir J. I. Thornycroft, F.R.S.

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HON. SECRETARY.—H. B. G. ROBERTSON, 160 Hope Street, Glasgow.

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PRESIDENT.—J. R. FLETCHER, M.Inst.C.E.

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O. L. McDERMOTT.

HON. SECRETARY.—C. T. FIRTH, Prospect House, Idle, Bradford.

\* \* \* The Members of Council and Honorary Secretaries are Students of the  
Institution.

## ENUMERATION.

1 October, 1901. 1 October, 1902

HONORARY MEMBERS . . . . .	20	18
MEMBERS . . . . .	2,068	2,101
ASSOCIATE MEMBERS . . . . .	4,015	4,020
ASSOCIATES . . . . .	295	293
STUDENTS . . . . .	898	896
TOTAL. . . . .	7,296	7,328

## NOTICE.

It is particularly requested that every change of residence, as well as of Telegraphic Address and Telephone Number, or any inaccuracy or omission in prefixes and dates, may be communicated without delay to

*The Secretary,*

*The Institution of Civil Engineers,*

*Great George Street, Westminster, S.W.*

In the following List the *words* in brackets denote Telegraphic Addresses; the *figures*, Telephone Numbers, referring to the respective local Exchanges.

The prefix (T) indicates the contributor of a Paper published in the Minutes of Proceedings.

„ (T)	„	recipient of a Telford Medal.
„ (t)	„	Telford Premium.
„ (W)	„	Watt Medal.
„ (S)	„	George Stephenson Medal or Prize.
„ (M)	„	Miller Scholarship.
„ (m)	„	Miller Prize.
„ (m)	„	Manby Premium.
„ (H)	„	Howard Quinquennial Prize.
„ (C)	„	Crampton Prize.
„ (t)	„	Trevithick Premium.
„ (f)	„	James Forrest Medal.
„ (B)	„	Bayliss Prize.
„ (L)	„	deliverer of one of the Special Series of Lectures.
„ (F)	„	deliverer of a James Forrest Lecture.
„ (*)	„	a former Student.

## PATRON.

HIS MAJESTY EDWARD VII., OF THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND AND OF THE BRITISH DOMINIONS BEYOND THE SEA, KING, EMPEROR OF INDIA.

Date of  
Election.

## HONORARY MEMBERS.

1895 Nov. 12.	{ HIS IMPERIAL MAJESTY WILHELM II., GERMAN EMPEROR AND KING OF PRUSSIA.
1877 Mar. 13.	HIS MAJESTY LEOPOLD II., KING OF THE BELGIANS.
1893 May 30.	H.R.H. GEORGE, PRINCE OF WALES, K.G., P.C.
1872 May 7.	H.R.H. ARTHUR, DUKE OF CONNAUGHT, K.G., P.C.
1885 May 12.	H.R.H. GEORGE, DUKE OF CAMBRIDGE, K.G., P.C.
1883 Dec. 4.	{ Lord ALVERSTONE, G.C.M.G., Hornton Lodge, Pitt Street,
1901 Mar. 5.	{ P.C., LL.D. ( <i>Cantab.</i> ) .. .. } Kensington, W.
1895 May 21.	OCTAVE CHANUTE .. .. .. { 413 East Huron Street, Chicago, U.S.
1894 Jan. 9.	{ The Duke of DEVONSHIRE, K.G., Devonshire House, Piccadilly, W. P.C., LL.D. ( <i>Cantab.</i> ) .. .. }
1901 Apr. 23	{ JAMES DEWAR, M.A. ( <i>Edin.</i> ), Royal Institution, Albemarlo LL.D. ( <i>Edin., Glas., and St.</i> <i>Audrew's</i> ) .. .. .. } Street. W.
L † { 1874 May 12.	{ Lord KELVIN, G.C.V.O., O.M., Netherhall, Largs, Ayrshire. P.C., D.C.L. ( <i>Oxon.</i> ), LL.D. }
1889 May 21.	{ <i>Cantab.</i> , F.R.S. .. .. .. }
1898 Apr. 5.	Lord LISTER, O.M., D.C.L. ( <i>Oxon.</i> ) 12 Park Crescent, Portland Place,
1899 Feb. 7.	ALFRED PICARD .. .. .. 97 Quai d'Orsay, Paris. [W.]
1891 Jan. 13.	{ Lord RAYLEIGH, O.M., M.A., Terling Place, Witham, Essex. D.C.L. ( <i>Oxon.</i> ), D.Sc. ( <i>Cantab.</i> ) .. .. .. and Dubl.), F.R.S. .. .. .. }
1901 Mar. 5.	{ Sir FREDERICK WILLIAM RICHARDS, G.C.B., Admiral of the Fleet .. .. .. } 13 Great Russell Mansions, Great Russell Street, W.C.
F t m † { 1898 Apr. 5.	{ Sir WILLIAM CHANDLER ROBERTS - AUSTEN, K.C.B., Royal Mint, Tower Hill, E. F.R.S. .. .. .. .. }
1894 Jan. 9.	{ The Marquess of SALISBURY, K.G., P.C., M.A., D.C.L. ( <i>Oxon.</i> ) } 20 Arlington Street, S.W.
1847 June 1.	{ Sir JOHN LINTORN ARABIN SIMMONS, R.E., G.C.B., Hawley House, Blackwater,
1892 Mar. 1.	{ G.C.M.G., Field-Marshal .. } Hants.
1892 Mar. 1.	{ Sir GEORGE GABRIEL STOKES, Bart., F.R.S., D.C.L. ( <i>Oxon.</i> ), Lensfield Cottage, Cambridge. LL.D., D.Sc. ( <i>Cantab.</i> ) .. }

Total number of Honorary Members .. 18.

## M E M B E R S.

[M. Inst. C.E.]

Date of Election and of Transfer.	MEMBERS.	
1889 Jan. 8	ABBATT, RICHARD HENRY ..	33 Mattoek Lane, Ealing, W.
1885 Dec. 1.	{ *ABBOTT, WILLIAM SUTHER ..	Sutton, Surrey Road, Bournemouth.
1898 Nov. 29.	{ LAND .. .. .. ..	
† { 1894 Jan. 9.	ABELL, WILLIAM PRICE .. ..	Castle Hill, Duffield, Derby.
1899 Nov. 28.		
1881 Jan. 11.	*ABERNETHY, GEORGE NEILL ..	4 Delahay Street, Westminster, S.W.
1885 May 19.		
1883 May 29.	ABURROW, CHARLES .. ..	Box 534, Johannesburg, Transvaal.
1898 Mar. 1.		
1897 Apr. 6.	{ ACLAND, FRANCIS EDWARD DYKE ..	76 Cheapside, E.C. (Bank 5252.)
	{ Captain R.A. ret.	
1871 Dee. 5.	*ADAMS, HENRY .. .. ..	{ 60 Queen Victoria Street, E.C. (Viburnum, London. Bank 6006.) [S.W.]
1883 May 1.		Hillrise, Amersham Road, Putney,
1869 Apr. 6.	ADAMS, WILLIAM .. .. ..	{ J. P. Dennis, The Red House, Soham, Cambs.
1883 Mar. 6.	ADAMS, WILLIAM .. .. ..	Mussoorie, N.W.P., India.
1891 Dee. 1.	ADDIS, HENRY BAWN .. ..	
1847 Mar. 2.	{ ADDISON, JOHN .. .. ..	The Castle Hill, Maryport.
1859 Feb. 1.		
1889 Dee. 3.	AGNEW, SAMUEL HEWETT ..	{ c.o. Chas. Tighe & Sons, 42 Lombard Street, E.C.
1898 Apr. 26.		
† { 1867 May 21.	AIRY, WILFRID, B.A. ( <i>Cantab.</i> ) ..	{ 6 Queen Anne's Gate, Westminster, S.W.
1874 Apr. 21.		
1875 Mar. 2.	ALBRECHT, CHARLES JOHN ..	Dr. G. J. French, Cabaña Loraine, Estacion Queguay, Paysandu, Uruguay.
1879 Dee. 16.		
1901 Apr. 23.	ALBY, AMÉDÉE MARIE JOSEPH ..	22 Place Malesherbes, Paris.
1890 Mar. 4.	ALEXANDER, ANDREW MILLER ..	Thames Ironworks, Blackwall, E.
1888 May 15.	{ ALEXANDER, ARTHUR LYON ..	Light Ry. Co., Barsi, Bombay.
1889 Apr. 2.	{ ALEXANDER, STANLEY DE VERE ..	Railway Dept., Sydney, N.S.W.
1880 Dee. 7.	{ HASTINGS .. .. ..	
† { 1879 Feb. 4.	ALFORD, ROBERT GERVAISE ..	Prison Commission, Home Office,
† { 1884 May 27.	F.R.S.E. .. .. ..	Whitehall, S.W.
1901 Dee. 3.	ALLAN, CHARLES EDWARD ..	Stormont, Belfast.
1870 Feb. 1.	ALLAN, GEORGE .. .. ..	{ 13 Austin Friars, E.C. (Clematis, London. Avenue 5773.)
† { 1890 May 20.	ALLAN, PERCY .. .. ..	Roads & Bridges Dept., Sydney, N.S.W.
† { 1900 Dec. 19.		
1893 Feb. 7.	*ALLEN, HERBERT EDWARD ..	Rathvane, Penarth, Cardiff.
1900 Jan. 30.		
† { 1889 Dec. 3.	ALLEN, PARKER ROSCOE ..	Arbuthnot & Co., Madras.
† { 1901 Dec. 11.		
† { 1883 Mar. 6.	ALLEN, WILLIAM HENRY ..	Queen's Engineering Works, Bedford.
† { 1891 Apr. 7.	{ ALLEYNE, Sir JOHN GAY ..	Chevin, Belper.
† { 1872 Apr. 9.	{ NEWTON, Bart. .. .. ..	Bloomsgrave Works, Nottingham. (Manloves, Nottingham.)
1890 May 20.	ALLIOTT, JAMES BINGHAM ..	D. P. W., Sydney, N.S.W.
1894 Dec. 4.	ALLMAN, EDWARD McCARTHY ..	{ 46 Brown Street, Manchester. (Allotted, Manchester. 1952.)
1876 Apr. 4.	ALLOTT, CHARLES SNEATH ..	Dodworth Grove, Barnsley.
1880 Dec. 21.		
1872 Feb. 6.	ALLPORT, HOWARD ASTON ..	16 Robertson Street, Glasgow.
1902 Jan. 14.	ALSTON, WILLIAM MURRAY ..	

Date of Election  
and of Transfer.

## MEMBERS.

†	{ 1892 Jan. 12. 1894 Nov. 6.	ANDERSON, ARCHIBALD MILES	46 Hill Street, Garnet Hill, Glas-
†	{ 1892 May 24. 1899 Jan. 10.	ANDERSON, FRANCIS PHILIP ..	King Hamilton & Co., Calcutta.
1880	Feb. 3.	ANDERSON, GEORGE .. ..	{ Imperial Institute, South Kensington, ton, S.W.
1888	May 1. 1896 Mar. 24.	*ANDERSON, JAMES HENRY ..	{ Caledonian Ry., 3 Germiston Street, Glasgow.
1885	Mar. 3.	ANDERSON, ROBERT .. ..	Uganda Ry., Mombasa, E. Africa.
1891	Nov. 3.	ANDERSON, WILLIAM .. ..	{ Teesdale Ironworks, Stockton-on-Tees.
1878	Jan. 12.	ANDREWS, ARTHUR THOMAS ..	6 Fairlawn Park, Chiswick, W.
1875	May 11.	ANDREWS, EDMUND .. ..	Warren Lodge, Hampton Wick.
T t †	{ 1881 Dec. 6. 1888 Jan. 17.	ANDREWS, THOMAS, F.R.S. ..	Wortley Ironworks, near Sheffield.
1866	Dec. 4.	ANDREWS, THORNTON .. ..	Cefn Eithen, Swansea.
1878	Apr. 9.	ANDREWS, WILLIAM .. ..	15 Ashburnham Road, Tonbridge.
1859	Apr. 5.	ANGELL, LEWIS .. ..	Calside, Carlisle Road, Eastbourne.
1866	May 15.	ANGUS, DAVID .. ..	Arauco Co., Coronel, Chile.
1882	Dec. 5.	ANGUS, JONATHAN .. ..	{ 17 Victoria Street, S.W. (Fuimus, London, Westminster, 344.)
1892	Dec. 6.	ANSON, ERNEST, M.A. ( <i>Oxon.</i> ) ..	Madras Ry., Calicut, Malabar.
1901	Feb. 19.	ANTHONY, CHARLES, JUN. ..	Glenview, Hereford.
t †	1879 Apr. 1.	{ APJOHN, JAMES HENRY, M.A. ( <i>Dubl.</i> ) .. ..	17 Victoria Street, S.W. (Upingo, London, Westminster 344.)
1864	Feb. 2.	APPLEBY, CHARLES JAMES ..	22 Walbrook, E.C.
1877	May 29.	APPLETON, EDWARD .. ..	1 Vaughan Parade, Torquay.
1888	Oct. 30.	ARGOLLO, MIGUEL DE TEIVE E ..	São Francisco Ry., Alagoinhas, Bahia.
1897	Dec. 7.	ARGYLE, JOHN .. ..	Midland Ry., Derby. [Brazil.]
1885	May 5.	ARKWRIGHT, BERNARD GEORGE ..	Elswick Works, Newcastle-on-Tyne.
m	{ 1877 May 29. 1890 Feb. 4.	*ARMSTRONG, WALTER YOUNG ..	G. W. Ry., Paddington, W.
1900	Dec. 4.	ARMSTRONG, WILLIAM .. ..	Wingate, co. Durham.
1891	Jan. 13.	ARNOT, WILLIAM .. ..	{ 79 West Regent Street, Glasgow. (Induction, Glasgow, 5341.)
1896	Dec. 22.	ARNOTT, MARMADUKE HENRY ..	P. W. D., Cuttack, Orissa, Bengal.
†	{ 1892 Dec. 6. 1902 Feb. 18.	*ASHTON, HAROLD THOMAS, D.Sc. ( <i>Victoria</i> ) .. ..	Royal Arsenal, Woolwich.
1882	May 2.	ASKWITH, ROBERT .. ..	{ The Hall, Witton-le-Wear, co. Dur- ham.
W t †	{ 1881 Feb. 1. 1887 Nov. 22.	ASPINALL, JOHN AUDLEY ..	Gledhill, Mossley Hill Drive, Liver- pool.
1871	Feb. 7.	FREDERICK .. ..	
1884	Oct. 14.	ATHERSTONE, GUYBON DAMANT	Box 92, Grahamstown, Cape Colony.
1896	Apr. 14.	ATKINSON, HERBERT JEPCOATE, B.A.I. ( <i>Dubl.</i> ) .. ..	Tyrmynydd, Rhayader, Rads.
1902	Feb. 11.	ATKINSON, JOHN .. ..	{ Gt. Southern Railway, Uruguayana, Brazil.
1877	Apr. 10.	ATKINSON, WILLIAM .. ..	Erwood, Beckenham, S.E.
1896	Nov. 16.	AYLMER, RICHARD .. ..	9 Maze Road, Kew.
1859	Apr. 5.	AYRES, ARTHUR .. ..	Ashleigh, Truro Rd., Wood Green, N.
1865	Feb. 7.	AYRIS, JOHN .. ..	Waterworks Office, Norwich.
†	{ 1878 Feb. 5. 1860 Apr. 3.	AYRES, ARTHUR .. ..	

Date of Election  
and of Transfer.

## MEMBERS.

1874 Dec. 1.)	*BAGGALLAY, HENRY CHARLES	17A Ouslow Gardens, S.W.	
1889 Mar. 26.)			
1890 Dec. 2.	BAGLEY, FREDERICK ROBERT..	State Rys., Rangoon, Burma.	
1885 Jan. 12.)	BAGNALL, HARVEY,		
1888 Oct. 30.)	M.A., B.A.I. ( <i>Dubl.</i> ) .. ..	Gerrard's Cross, Slough, Bucks.	
1889 Dec. 3.)	BAILEY, FRANK .. .. .	64 Bankside, S.E.	
1899 Jan. 10.)			
1874 Feb. 3.	BAILEY, JOHN CHARLES ..	211 Carlton St., Toronto, Canada.	
1896 Feb. 4.	BAILEY, THOMAS HENRY ..	55 Temple Row, Birmingham.	
1888 Feb. 7.	BAILLIE, JONATHAN ROBERT ..		
1891 Mar. 8.	BAINBRIDGE, CHARLES EDWARD	Shapwick Cottage, Bushey Heath,	
1876 May 30.)	BAIRD, GEORGE .. .. ..	[Herts.]	
T S t $\ddagger$	(1867 Dec. 3.)	BAKER, Sir BENJAMIN, K.C.M.G., D.Sc. ( <i>Cantab.</i> ), LL.D. ( <i>Edin.</i> ), M.A.I. ( <i>Dubl.</i> ), F.R.S. ( <i>Past-President</i> , <i>Member of Council</i> )	2 Queen Square Place, S.W. (Oligist, London, Westminster 33.)
m $\ddagger$	(1877 May 29.)		
	1895 May 21.	BAKER, HARRY VICTOR SAMPSON	{ 13 Canyng Square, Clifton, Bristol.
	1881 Dec. 6.)	BAKER, JOHN BECKETT .. ..	{ 598 Calle Dean Funes, Cordoba, Argentina.
	1888 May 15.	BAKEWELL, WILLIAM NEWTON	31 Herbert Road, Stockwell, S.W.
	1877 Feb. 6.)	*BALDRY, HENRY OSBORNE ..	21 Queen Anne's Gate, S.W.
	1886 Feb. 9.)	BALFOUR, DAVID .. .. ..	{ 3 St. Nicholas Buildings, Newcastle- on-Tyne. (Balfour, Myre Hall, Houghton-le-Spring.)
	1875 May 4.)		
	1889 Apr. 9.)		
	1892 Mar. 1.)	*BALFOUR, DAVID, Jun. .. ..	{ 3 St. Nicholas Buildings, Newcastle- on-Tyne.
	1901 Feb. 19.)		
m $\ddagger$	(1892 May 24.)	*BALL, JAMES BENJAMIN.. ..	L.D. & E.C. Ry., Chesterfield.
	(1902 Feb. 11.)		
	1874 Mar. 3.)	BALLARD, ROBERT .. .. ..	35 Wood Lane, Shepherd's Bush, W.
	1877 Nov. 27.)		{ Vickers, Sons, and Maxim, Barrow- in-Furness.
	1898 Dec. 6.	BANISTER, GEORGE HENRY ..	
	1893 May 2.)	BARBER, JAMES PATTEN ..	Vestry Hall, Islington, N.
	1894 Oct. 16.)		
t $\ddagger$	1899 Jan. 10.	BARBER, THOMAS WALTER ..	17 Tothill St., Westminster, S.W.
	1895 Dec. 3.	BARDLEY, GEORGE ROBERT ..	23 John Dalton Street, Manchester.
	1885 Dec. 1.)	BARFIELD, SAMUEL GEORGE	
	1894 Nov. 6.)	HERBERT, D.Sc. ( <i>Lond.</i> ) ..	Aidin Railway, Smyrna.
	1873 Mar. 4.)	BARKER, JOHN .. .. ..	20 Oppidans Rd., Primrose Hill, N.W.
	1877 Nov. 27.)		
	1881 Feb. 1.)	BARKER, JOHN .. .. ..	{ Ellenbank, Leigham Court Road, Streatham Hill, S.W.
	1889 Mar. 19.)		
m $\ddagger$	(1892 Dec. 6.)	*BARKER, JOHN HENRY .. ..	Heaton Works, Newcastle-on-Tyne.
	(1902 Mar. 11.)		
	1889 May 7.	BARKER, ROBERT .. .. ..	{ S. E. & L. C. & D. Rys., London Bridge Station, S.E.
$\ddagger$	(1892 Dec. 6.)	BARLING, IVAN COLLINGWOOD ..	North Pier Works, Tynemouth.
	(1901 Feb. 12.)		
$\ddagger$	{ 1872 Dec. 3.)	*BARLOW, CRAWFORD,	{ Deene, Tooting Bee Road, Streath-
	{ 1879 Dec. 23.)	B.A. ( <i>Cantab.</i> ) .. .. ..	ham, S.W.
	1880 May 4.)	BARLOW, EDWIN SYDNEY ..	{ Grassfield Cottage, Pateley Bridge, Yorks.
	1893 Dec. 12.)		
T $\ddagger$	1845 Apr. 1.)	{ BARLOW, WILLIAM HENRY, F.R.S. ( <i>Past-President</i> )	{ High Combe, Old Charlton, S.E.
W S t $\ddagger$	{ 1881 May 3.)	*BARNABY, SYDNEY WALKER ..	The Hollies, Chiswick Mall, W.
	{ 1888 Mar. 6.)		
	1886 Apr. 6.)	BARNES, JOHN FREDERICK	Engineer, P.W.D., Natal.
	1889 Nov. 5.)	EVELYN, C.M.G... .. ..	
	1865 Feb. 7.)	BARNES, JOHN HICKMAN .. ..	{ 30 Great George Street, S.W. (Nesselartig, London.)
	1877 May 29.)		
	1897 Jan. 12.	BARNETT, MICHAEL RATCLIFFE	Laurel Bank, Lancaster.
	1879 Dec. 2.	BARNETT, PATRICK MOIR ..	Berryden House, Aberdeen.

Date of Election and of Transfer.		MEMBERS.	
1890 Apr. 1.	{ BARR, Professor ARCHIBALD, D.Sc. ( <i>Glas.</i> ) .. .. ..	{ University, Glasgow. Dunedin, Otago, N.Z.	
t ♫ 1882 Feb. 7.	BARR, GEORGE MORRISON ..	221 West George Street, Glasgow.	
1874 Apr. 14.	BARR, JAMES .. .. ..	Willowbank, Barnhill, Perth.	
1881 May 3.	BARR, THOMAS MORRISON ..	Ellesmere, Hayne Rd., Beekenbam.	
1882 Feb. 7.	BARRASS, SAMUEL .. .. ..		
1877 Apr. 10.	{ BARRETO, ANTONIO PAULO DE MELLO .. .. .. ..	Donna Luiza 17, Rio de Janeiro.	
1879 Dec. 2.	*BARRINGTON, WILLIAM .. ..	10 George Street, Limerick.	
1883 Jan. 9.			
1891 Feb. 3.			
t ♫ 1868 Apr. 7.	BARRON, FREDERICK CADOGAN ..	9 St. Mildred's Court, Poultry, E.C.	
1878 Feb. 19.			
t ♫ 1878 Feb. 5.	BARRON, JAMES .. .. ..	1 Bon-Accord Street, Aberdeen.	
1883 May 29.			
1887 Apr. 5.	*BARROW, WALTER DUNCAN ..	Burma Rys. Co., Rangoon, Burma.	
1897 Nov. 30.			
1887 May 24.	BARRY, ARTHUR JOHN .. ..	7 The Sanctuary, Westminster, S.W.	
1893 May 16.			
T t ♫ 1868 Feb. 4.	{ BARRY, Sir JOHN WOLFE, K.C.B., LL.D. ( <i>Glas.</i> ), F.R.S. ..	{ 21 Delahay Street, Westminster, S.W. (Consilium, London. West- minster 24.)	
1858 Feb. 2.	BARTHolemew, WILLIAM HAMOND ..	Aire and Calder Ofice, Leeds.	
1882 May 23.			
1893 Nov. 14.	BARTLETT, JAMES HERBERT ..	Middlesborough, Kentucky, U.S.	
1884 Jan. 8.	BARTLETT, THOMAS WALTER ..	{ H. S. King & Co., 45 Pall Mall, S.W.	
1894 Apr. 3.			
1881 Feb. 1.	BARTON, EDWARD GOLDING ..	P.W.D., Darbhanga, Bengal.	
1884 Mar. 4.			
T ♫ 1853 Mar. 1.	{ BARTON, JAMES, B.A. ( <i>Dubl.</i> ) ..	{ Exchange Buildings, Dundalk. (Member of Coucil.) .. ..	{ Barton, Exchange, Dunkalk.)
1881 Feb. 1.	*BARTON, Sir JOHN GEORGE, C.B. ..	Valuation Office, Dublin.	
1868 Apr. 7.	BARTON, WALTER CLARENCE ..	Union Club, Brighton.	
1883 Feb. 6.	BASSETT, ALEXANDER BARKER ..	Cheverell, Landaff.	
1895 Apr. 2.			
1888 Dec. 4.	BATES, ONWARD .. .. ..	Bates & Rogers Construction Co.,	
1895 Oct. 22.		1203 Manhattan Bldg., Chicago, U.S.	
1878 Dec. 3.	BAXTER, WILLIAM .. .. ..	Ashburton, Canterbury, N.Z.	
1885 Mar. 3.	*BAYER, CHARLES ALBERT ..	Engineer-in-Chief's Ofice, Adelaide,	
1894 May 8.		South Australia.	
1875 Feb. 2.	BAYLEY, KENNETH .. .. ..	Milford House, co. Carlow.	
1883 May 29.			
1900 Mar. 27.	BAYLISS, GEORGE REGINALD ..	87 Wimpole Street, W.	
1895 May 21.	BAYLISS, RAWLINSON TENNANT ..	11 Cornhill, E.C. (Sorrowful, London.)	
1874 Dec. 1.	BAYNES, DONALD STUART ..		
1882 Jan. 31.			
m m ♫ 1874 Jan. 13.	*BAZALGETTE, EDWARD .. ..	{ Cherney, Arthur Road, Wimbledon	
1879 Apr. 8.		Park, S.W.	
t ♫ 1885 May 19.	{ *BEARE, Professor THOMAS ..	Engineering Laboratory, University,	
1893 Feb. 7.	HUDSON, B.A. ( <i>Adelaide</i> ), B.Sc. ( <i>Loud.</i> ), F.R.S.E. ..	Edinburgh.	
W t ♫ 1875 Mar. 2.	BEAUMONT, WILLIAM WORBY ..	{ 22 Outer Temple, 222 Strand, W.C. (Vibromotor, Lond. Gerrard 4160.)	
1886 Feb. 16.		Croftside, Stanley Rd., Herne Bay.	
T t ♫ 1860 Dec. 4.	BEAZELEY, ALEXANDER .. ..		
S t ♫ 1889 May 21.	BECKETT, WILLIAM THOMAS ..	W. Watson & Co., Calcutta.	
1895 Nov. 26.	CLIFFORD .. .. .. ..		
1884 May 27.	BEDSON, JOSEPH PHILLIPS ..	Newton House, Hyde.	
1897 Mar. 15.			
1893 Dec. 5.	BELL, ARCHIBALD GRAEME ..	Georgetown, Demerara.	
1901 Feb. 5.			
1881 Dec. 6.	*BELL, ARTHUR WILBRAHAM ..	P.W.D., Perth, Western Australia.	
1890 May 20.	DILLON .. .. .. ..		

Date of Election  
and of Transfer.

## MEMBERS.

1867 Apr. 2.	BELL, CHARLES NAPIER .. ..	G.P.O., Wellington, N.Z.
1897 Dec. 7.)	BELL, GEORGE JOSEPH .. ..	County Surveyor, Carlisle.
1902 Mar. 11.)		
† { 1866 Feb. 6.)	BELL, HENRY PURDON .. ..	Victoria, British Columbia.
{ 1878 Dec. 3.)		
† { 1867 Mar. 5.)	{ BELL, HORACE ( <i>Member of Council</i> ) .. .. ..	{ 28 Victoria Street, S.W. (Samasata, London. P.O. Telephone—Victoria
{ 1872 Jan. 30.)		
t † { 1867 May 21.)	BELL, IMRIE .. .. ..	49 Dingwall Road, Croydon. [388.]
{ 1868 Apr. 21.)		
S H t † { 1867 May 21.)	{ BELL, Sir ISAAC LOWTHIAN, Bart., LL.D. ( <i>Edin.</i> ), F.R.S.)	Rounton Grange, Northallerton.
{ 1873 Apr. 8.)		{ 22 Wilton Road, Craigmillar Park
1896 Dec. 1.	BELL, JAMES .. .. ..	Edinburgh.
t † 1879 Dec. 2.	BELL, JAMES RICHARD .. ..	Hazeldene, Ightham, Kent.
1895 Dec. 3.)	BELL, LEONARD MOORE .. ..	Municipal Offices, Singapore, S.S.
1902 Feb. 11.)		
1869 May 4.	BELL, VALENTINE GRÆME ..	Director of Public Works, Jamaica.
1882 Dec. 5.)	BELL, WILLIAM REID .. ..	Headquarters, Railway Pioneer Regt., Johannesburg, Transvaal.
1894 Jan. 30.)		
† { 1892 Dec. 6.)	*BELLAMY, CHARLES VINCENT ..	P.W.D., Nicosia, Cyprus.
{ 1901 Feb. 19.)		
1885 May 5.	BELLAMY, GEORGE DAVID ..	6A Courtenay Street, Plymouth.
1880 Dec. 7.)	*BELLASIS, EDWARD SKELTON ..	2 Spa Place, Cheltenham.
1897 Nov. 30.)		
1871 Dec. 5.	BENEDICT, ERNEST .. .. ..	{ Clun House, Surrey Street, W.C. (Gerrard 2948.)
1883 May 29.	BENNETT, WILLIAM .. .. ..	{ Surrey Dock Extension, Rotherhithe, S.E.
1889 Dec. 3.)	*BENT, BALDWIN HARRY, M.A. ( <i>Cantab.</i> ) .. .. ..	Heysham Harbour, Lancashire. [S.W.]
1899 Jan. 17.)		
1893 Jan. 10.	BENTON, JOHN, C.I.E., F.C.H.	c.o. H. S. King & Co., 45 Pall Mall,
1884 Dec. 2.	{ BERESFORD, JOHN STUART, C.I.E., M.E. ( <i>Queen's</i> ) .. .. ..	2 Carlton Gardens, Ealing, W.
1877 Apr. 10.)	BERNAYS, JOSEPH .. .. ..	{ 96 Newgate Street, E.C. (Anybers, London.)
1884 Apr. 1.)		
1895 Feb. 5.)	BERNAYS, LEWIS ADOLPHUS, Jun.	{ Railway Department, Brisbane, Queensland.
1899 Nov. 28.)		
1873 Feb. 4.)	*BERRELL, WILLIAM .. .. ..	{ Thames Conservancy, Victoria Embankment, E.C.
1887 Feb. 22.)		
1885 May 19.)	{ BERRIER-FONTAINE, JEAN-BAPTISTE LOUIS FÉLIX MARC ..	Directeur du Génie Maritime, Ministère de la Marine, Paris.
1879 Feb. 4.)		
1892 Nov. 22.)	BERTODANO, CHARLES EDMUND DE	{ 47 Victoria Street, S.W. (Euripides, London.)
1882 May 2.)	*BEST, CHARLES WILLIAM ..	{ 47 Victoria Street, S.W. (Nomizo, London, Westminster 95.)
1894 May 22.)		
1899 Dec. 5.	BEVIS, R. RATSEY, Jun. ..	Ironworks, Birkenshead.
1882 Feb. 7.)	*BEWICK, THOMAS BURRELL ..	{ 20 Cophall Avenue, E.C. (Bewick, London. London Wall 758.)
1896 Dec. 22.)		
1882 Mar. 7.)	BEWLAY, HUBERT .. .. ..	Thomas Piggott & Co., Birmingham.
1901 Feb. 19.)		
1882 Feb. 7.)	BEZZI, Chev. TOMASO GAUDENZIO	Ypiranga Works, São Paulo, Brazil.
1894 May 1.)		{ Local Government Board, White-
1898 Dec. 20.)	BICKNELL, ROBERT HENRY ..	hall, S.W.
1878 Mar. 5.	BIDDER, BARTHOLOMEW PARKER ..	{ c.o. Everett & Co., 51 Fetter Lane, E.C.
T t † 1900 Jan. 9.	BIDDER, FREDERICK WILLIAM ..	13 Victoria Street, S.W.
† 1897 Apr. 6.	BILES, JOHN HARVARD .. ..	Hazeleigh, Woolstone, Hants.
1899 Jan. 10.	BILLINTON, ROBERT JOHN ..	Lea Hurst, Preston Park, Brighton.
T S t † { 1865 Feb. 7.)	{ BINNIE, Sir ALEXANDER RICHARDSON ( <i>Member of Council</i> ) .. .. ..	9 Great George Street, S.W.
{ 1873 May 20.)		
1892 Dec. 6.)	*BINNIE, WILLIAM JAMES EAMES, B.A. ( <i>Cantab.</i> ) .. .. ..	9 Great George Street, S.W.
1900 Dec. 19.)		

Date of Election  
and of Transfer.

## MEMBERS.

1885 May 19.	BIRKBECK, MORRIS .. .. ..	Dippenhall Cottage, Farnham, Surrey.
1882 Apr. 4.)	BIRKINSHAW, ARTHUR HENRY	c.o. H. S. King & Co., 45 Pall Mall, S.W.
1893 Nov. 7.)		
1900 Dec. 4.)	BISHOP, ALEXANDER .. ..	Caledonian Railway, Glasgow.
1870 Dec. 6.)	BISSET, JAMES .. .. ..	Clarendon, Cape Town, C.C.
1877 Oct. 30.)		
1875 May 4.)	BLABER, CHARLES OLIVER ..	{ 64 Ship Street, Brighton. (Survey, Brighton. 2.)
1898 Apr. 5.)		
1888 Jan. 10.)	BLACKBURN, ALEXANDER BE	Brush Electrical Engineering Co.,
1892 Mar. 8.)	WICKE .. .. ..	Loughborough.
1884 Feb. 5.)	*BLAIR, WILLIAM NISBET ..	Vestry Hall, St. Pancras Road, N.W.
1897 Feb. 23.)		
1873 Mar. 4.)	BLAKESLEY, THOMAS HOLMES,	3 Eliot Hill, Lewisham, S.E.
1885 Jan. 27.)	M.A. ( <i>Cantab.</i> ) .. ..	
1856 Mar. 4.)	BLAKISTON, MATTHEW ..	Free Hills, Bursledon, Southampton.
1895 Dec. 3.)	BLIGH, WILLIAM GEORGE ..	Fotheringhay, Bexhill-on-Sea.
1887 Apr. 5.)	*BLOMFIELD, HAROLD ARTHUR	{ Department of Public Works, Wol- longong, New South Wales.
1894 Feb. 27.)		
† 1878 Mar. 5.)	BLOOD, BAGOT WILLIAM ..	Albert House, Dalkey, co. Dublin.
1863 May 5.)	BLOUNT, JOHN DARELL ..	Mapledurham, Reading.
1877 Dec. 4.)	BLOXSON, MARTIN, B.A. ( <i>Lond.</i> )	{ Hazlewood, Crumpsall Green, Man- chester.
1901 Feb. 19.)		
1886 Jan. 12.)	BLUNDELL, HARRY .. ..	{ Cheshire Lines, Central Station, Liverpool.
1899 Nov. 28.)		
† 1877 Feb. 6.)	*BLYTH, BENJAMIN HALL, M.A. ( <i>Edin.</i> ), F.R.S.E. (Member of Council) ..	17 Palmerston Place, Edinburgh.
† 1892 May 24.)	*BODY, JOHN BENJAMIN ..	Puente de Alvarado 15, Mexico City.
1901 Dec. 17.)		
1900 Feb. 6.)	BOGART, JOHN .. .. ..	40 Wall Street, New York, U.S.
1866 Apr. 10.)	BOHN, GEORGE .. .. ..	Imperial Chambers, Hull.
1877 Nov. 13.)	BOLLER, ALFRED PANCOAST,	
1891 Feb. 3.)	M.A. ( <i>Penn.</i> ) .. .. ..	{ 1 Nassau Street, New York, U.S.
† 1887 Feb. 1.)	BOLTON, ALEXANDER JOSEPH	Caleutta.
1884 Dec. 2.)	BOND, CHARLES JOHN ..	South Indian Rly., Trichinopoly.
1884 Feb. 5.)	BONN, CARL RODERIQUE LOUIS	
1896 Nov. 16.)	MENNI .. .. ..	180 Hope Street, Glasgow.
† 1876 May 2.)	BOOTH, ROBERT BELL ..	4 Ellerslie Villas, Bray.
1878 Dec. 31.)		
1891 Feb. 3.)	*BORROWMAN, WILLIAM CAMERON	Newstead, West Hartlepool.
1901 Dec. 17.)		
1878 May 7.)	BOSTOCK, JOHN HENRY ..	Harbour Works, Colombo, Ceylon.
1879 Feb. 4.)	{ BOSWELL, ST. GEORGE JAMES,	
1892 Nov. 1.)	B.Sc. ( <i>McGill</i> ) .. .. ..	Harbour Works, Quebec, Canada.
1880 Feb. 3.)	BOTHAMS, JOHN CHAMPNEY ..	Salisbury.
1877 Feb. 6.)	BOTLEY, CHARLES EDWARD ..	Gasworks, Hastings.
1897 Mar. 2.)		
1890 Dec. 2.)	BOUCHER, ARTHUR SACKVILLE	{ Sharpcliff Hall, Ipstones, Stoke-on- Trent.
1895 Oct. 22.)		
† 1874 Feb. 3.)	*BOULNOIS, HENRY PERCY ..	{ 44 Campden House Court, Ken- sington, W.
1878 Apr. 16.)		
1886 Jan. 12.)	*BOURKE, WALTER LONGLEY ..	The Old Hall, Worsley, Manchester.
1896 May 19.)	{ BOUSCAREN, LOUIS FREDERICK	
1880 Dec. 7.)	GUSTAVE .. .. ..	City Hall, Cincinnati, U.S.
† 1876 Dec. 5.)	*BOVEY, HENRY TAYLOR,	
1886 May 18.)	M.A., LL.D. ( <i>Cantab.</i> ), F.R.S.	McGill University, Montreal, Canada.
1889 Dec. 3.)		
1900 Dec. 19.)	BOWER, THOMAS .. .. ..	Ribble House, West Hartlepool.
1876 Apr. 4.)	BOWSTEAD, CHARLES JAMES ..	Hyde Grange, Chalford, Glos.
1881 Feb. 22.)		

Date of Election  
and of Transfer.

## MEMBERS.

1882 Apr. 4.)	*BOYCE, HENRY GEORGE, F.C.H.	{ c.o. H. S. King & Co., 45 Pall Mall, S.W.
1894 Oct. 30.)		{ Grindlay & Co., Parliament Street, S.W.
†{1854 Jan. 10.)	BOYLE, RICHARD VICARS, C.S.I.	
1860 Feb. 14.)		
1884 Dec. 2.)	*BOYNTON, FRANCIS, Major	
1893 May 16.)	Royal Anglesey Royal En- gineers .. . . .	R. E. Office, Warwick.
t †{1883 May 29.)	BRADY, ALFRED BARTON ..	{ Under Secretary, D.P.W., Brisbane, Queensland.
1895 Jan. 29.)		
1868 May 5.)	BRADY, FRANCIS .. . .	12 St. Edmund's Terrace, N.W.
†{1875 Dec. 7.)	BRADY, JOSEPH .. . .	{ 367 Collins St., Melbourne, Vic- toria.
1878 Dec. 3.)		
1877 May 1.)	BRAMALL, HENRY .. . .	Pendlebury Collieries, near Man- chester.
L †{1856 May 6.)	{ BRAMWELL, Sir FREDERICK JOSEPH, Bart., D.C.L. (Oxon. and Durham), I.L.D. (Can- tab.), F.R.S. (Past-President. Member of Council).	5 Great George Street, S.W. (Well- bram, London. Westminster 60.)
1883 May 28.)	*BRAND, ALLEN MASON .. .	G. I. P. Ry., Nagpur, India.
1899 Nov. 28.)	{ BREBNER, ALAN, B.Sc. (Edin.)	10 Hereford Road, Acton, W.
1891 Feb. 3.)	BREBNER, ALEXANDER .. .	4 Nemoure Road, Acton, W.
1874 May 5.)	BRENAN, GEORGE WULFE ..	{ Albany Street Chambers, Oban, N.B.
1899 Jan. 10.)		
1891 Dec. 1.)	BRERETON, ALFRED .. . .	W. Watson & Co., Bombay.
1880 Feb. 3 {	BRERETON, CUTHBERT ARTHUR (Member of Council)	{ 21 Delahay St., Westminster, S.W. (Consilium, London. Westminster 24.) [U.S.]
1865 Jan. 10.)	BRERETON, ROBERT MAITLAND	Woodstock, near Portland, Oregon,
1878 Mar. 5.)	BRETLAND, JOSIAH CORBETT ..	City Surveyor, Belfast.
1885 Feb. 3.)		
1901 Feb. 5.)	BRIAN, SANTIAGO .. . .	31 Avenida Republica, Buenos Aires.
1881 Mar. 1.)	*BRIGGS, JAMES .. . . .	Midland Railway, Derby.
1891 Apr. 21.)		
1881 Dec. 6.)	BRIGGS, JOHN HENRY .. .	Howden, East Yorks.
1893 Nov. 7.)		
1896 May 5.)	BRIGGS, ROSWELL EMMONS ..	Apartado 561, Mexico.
t m †{1889 Dec. 3.)	*BRIGHTMORE, ARTHUR WILLIAM,	Royal Indian Engineering College,
1896 Nov. 24.)	D.Sc. (Victoria) .. . .	Coopers Hill, Staines.
1874 Mar. 3.)	BRIND, ALFRED WALTER ..	19 Madeley Road, Ealing, W.
T t †{1874 May 5.)	BRITTLE, JOHN RICHARD,	Farad Villa, Vanbrugh Hill, Black- heath, S.E.
1886 Mar. 1.)	F.R.S.E. .. . . .	{ Broughton House, Broughton Road, Ipswich.
1868 Dec. 1.)	BROADRICK, GEORGE, F.R.S.E.	
1865 Feb. 7.)	BROCK, WALTER .. . .	Messrs. Denny Brothers, Dumbarton.
1877 Mar. 13.)		
1890 Jan. 14.)	BRODIE, JOHN ALEXANDER ..	City Engineer, Liverpool.
1897 Dec. 7.)		
1886 Dec. 7.)	*BRODIE, ROBERT .. . . .	4 Canada Dock, Liverpool.
1902 Mar. 4.)		
1893 Dec. 5.)	BROË, VICTOR EDGAR DE}	
1896 Nov. 24.)	BIRCHIN DE .. . . .	
1871 May 23.)	BROMLEY, WALTER BRANDRETH	{ Chakrata, Brittany Road, St. Leonards.
1889 Nov. 26.)		
1883 Jan. 9.)	*BROOKHOUSE, ROBERT HAROLD	Calle 25 de Mayo 81, Buenos Aires.
1889 Nov. 15.)		
1877 Dec. 4.)	BROOM, GEORGE JAMES COTTON	Boro' Engineer, St. Helens, Lancs.
1892 Nov. 15.)		
1868 May 5.)	BROTHERHOOD, PETER .. . .	{ Belvedere Road, Lambeth, S.E. (Brotherhood, London.)
1879 Feb. 4.)		
1876 Jan. 11.)	*BROUNGER, RICHARD ERNEST..	9 Fairlawn Grove, Acton Green,
1885 May 12.)		

Date of Election and of Transfer.	MEMBERS.
† 1890 Feb. 4. BROWN, ANDREW .. .. ..	Wm. Simons & Co., Renfrew.
1881 May 31.} BROWN, ARTHUR .. .. ..	Guildhall, Nottingham.
1885 Nov. 10.} BROWN, ARTHUR CARDWELL ..	Reconquista 144, Buenos Aires.
1883 Dec. 4.} BROWN, ARTHUR EDWARD ..	Tower House, East Cowes, I.W.
1893 Dec. 5.} BROWN, CHARLES SIDNEY VESEY ..	{ 13 Mosley Street, Newcastle-on-Tyne.
1894 Feb. 6.} *BROWN, GEORGE CECIL HERBERT ..	Broad Sanctuary Chambers, Westminster, S.W. (Postcard, London.)
1882 Dec. 5.} *BROWN, JAMES SAMUEL ..	Consulting Engineer for Railways, Rangoon, Burma.
1894 Jan. 16.} BERT .. .. .. ..	{ Eng.-in-Chief, Govt. Railways, Cape Town, C.C.
1879 Dec. 2.} *BROWN, JOHN, C.M.G. ..	{ 32 Victoria Street, S.W. (Acqua, London.)
m { 1874 Mar. 3.} *BROWN, OSWALD .. .. ..	
1880 May 25.} { BROWN, THOMAS FORSTER (Member of Council) ..	{ Springfort, Stoke Bishop, Bristol.
S t † 1868 Dec. 1. BROWN, WESTGARTH FORSTER ..	Guildhall Chambers, Cardiff.
1864 Dec. 6.} BROWNE, Sir BENJAMIN CHAPMAN, D.C.L. (Durham) ..	Hawthorn's Engine Works, Newcastle-on-Tyne.
t † { 1882 Dec. 5.} BRUCE, ALEXANDER FAIRLIE ..	Municipality, Bombay.
{ 1894 Feb. 27.} BRUCE, Sir GEORGE BARCLAY (Past-President.) ..	3 Victoria Street, S.W. (Brentesia, London.)
1892 Dec. 6.} BRUCE, JOHN .. .. .. ..	Hill Crest, Whitby.
1886 Apr. 6.} *BRUNDELL, HENRY AUGUSTUS ..	1 Prince's Street, Doncaster.
1899 Nov. 28.} { 1877 Mar. 6. BRUNEL, HENRY MARC ..	{ 21 Delahay Street, Westminster, S.W. (Consilium, London, Westminster 24.)
1885 May 19.} *BRUNLEES, HOWARD .. .. ..	
1899 Dec. 12.} { 1875 Dec. 7.} *BRUNLEES, JOHN .. .. ..	{ 12 Victoria Street, S.W. (Westminster 245.) [U.S.]
1878 May 14.} { 1884 May 27. BRUNTON, DAVID WILLIAM ..	865 Grant Avenue, Denver, Colorado,
1884 Jan. 8.} { 1901 Dec. 11.} *BRUNTON, JAMES FORREST ..	Municipality, Karachi, India.
† { 1875 Mar. 2.} BRYAN, WILLIAM BOOTH ..	{ East London Waterworks, Lee Bridge, N.E. (Engineer, Waterworks, Clapton.)
{ 1879 Mar. 4.} { 1891 May 12.} *BRYANT, ERNEST WALROND ..	Middle Colaba, Bombay.
1901 Jan. 15.} { 1878 Feb. 5. BUCHANAN, ALEXANDER ..	Messrs. Handyside & Co., Derby.
{ 1891 Feb. 3.} *BUCHANAN, GEORGE CUNNINGHAM ..	Port Trust, Rangoon, Burma. [U.S.]
† { 1899 Dec. 12.} HAM .. .. .. ..	
1891 Jan. 13.} BUCHANAN, WILLIAM .. .. ..	151 West 82nd Street, New York,
t † { 1898 Dec. 6. BUCK, LEFFTERT LEFFERTS ..	46 East 21st Street, New York, U.S.
1871 Apr. 4.} BUCKHAM, EDWARD .. .. ..	Town Hall, Ipswich.
1887 Jan. 25.} { 1873 Dec. 2.} (BUCKLEY, ROBERT BUPTON, ..	47 Clanricarde Gardens, Bayswater, W.
{ 1880 Nov. 2.} { C.S.I. .. .. .. ..	Valparaiso, Chile. [Argentina.]
1879 Apr. 1.} BUDGE, ENRIQUE .. .. .. ..	East Argentine Ry., Concordia,
1888 Dec. 4.} BUDGE, OLIVER .. .. .. ..	
1873 May 6.} BULKLEY, THOMAS ALFRED ..	Penyllan Hall, Meifod, Welshpool.
1879 Nov. 4.} { 1875 Dec. 7.} BULMER, PHILIP .. .. ..	37 The Avenue, Sunderland.
1889 Apr. 16.} { 1886 Apr. 6. BURCH, WILLIAM .. .. ..	{ Admiralty Office, H.M. Dockyard Extension, Keyham, Devonport.
1894 Nov. 27.} { 1866 Mar. 6. BURGE, CHARLES ORMSBY ..	Railway Construction Branch, P.W.D., Sydney, N.S.W.
T t † { 1878 Apr. 9.}	

Date of Election and of Transfer.	MEMBERS.
1888 Dec. 4.	*BURGESS, SAMUEL EDWIN .. Boro' Engineer, South Shields.
1899 Apr. 18.	
†{1871 May 23.}{1883 May 1.}	*BURKE, CHARLES TOLER .. School Board, Sir Thomas Street, Liverpool.
1872 Dec. 3.	BURKE, GEORGE JOHN .. Ludstone Chambers, Collins Street, Melbourne, Victoria.
1883 Mar. 20.	
1887 Dec. 6.	BURKE, JAMES MARLOW .. G. S. & W. Ry., Cork. (Burke, Cork.)
1893 Dec. 5.	*BURN, GEORGE FRANK .. 9 Great George Street, S.W.
1902 Apr. 8.	
1886 Dec. 7.	BURNETT, JAMES .. .. Ry. Dept., Wellington, N.Z.
1896 Feb. 25.	
1866 Feb. 6.	BURNETT, ROBERT HARVEY .. Gorton Foundry, Manchester.
1871 May 2.	
1884 Feb. 5.	BURR, WILLIAM HENRY .. El Rancho, F.C. del Norte, Guatemala.
1889 Mar. 12.	
†{1893 Dec. 5.}{1876 May 2.}	BURR, WILLIAM HUBERT .. Columbia College, New York, U.S.
1881 Jan. 11.	*BURSTAL, EDWARD KYNASTON {38 Parliament Street, S.W. (Holographer, London.)}
1892 Dec. 6.	BURSTALL, Professor HENRY .. Mason University College, Birmingham.
1900 Dec. 18.	FREDERIC WILLIAM, M.A. ( <i>Cantab.</i> ) .. ..
1888 Dec. 4.	*BURSTALL, HENRY ROBERT } 14 Old Queen St., Westminster, S.W.
1897 Mar. 2.	JOHN .. .. .. ..
1887 Apr. 5.	*BURY, OLIVER ROBERT HAWKE {General Manager, G.N.Ry., King's Cross, N.
1894 Feb. 27.	
1874 May 12.	BUSH, GEORGE .. .. 32 Kensington Court, W.
1898 Dec. 6.	BUSH, THOMAS JAMES .. .. Australian Gas Co., Sydney, N.S.W.
1891 Dec. 1.	BUTCHER, LOUIS HOLT .. .. Tecoma Cottage, Coonoor, Nilgiris, India.
†{1885 Apr. 14.}{1893 Nov. 7.}	BUTLER, MATTHEW JOSEPH .. {Charlottetown, Prince Edward Island, Canada.
1875 Dec. 7.	BUTLER, WALTER .. .. Witham, Essex.
1888 Dec. 4.	BUTLER, Professor WILLIAM ROBERT, M.E. ( <i>King's Coll., Nova Scotia.</i> ) .. Royal Military College, Kingston, Ontario, Canada.
1898 Nov. 29.	
m †{1881 Apr. 5.}{1888 Dec. 4.}	BUTTER, HENRY JOSEPH .. Claremont, Burrage Rd., Plumstead.
1895 Jan. 8.	BUTTON, FRED SMITH .. .. Blannel Street, Burnley.

1900 Apr. 3.	CAIRD, ROBERT, LL.D. ( <i>Glas.</i> ) ..	Greenock, N.B.
†{1892 Dec. 6.}{1900 Dec. 18.}	CALLAWAY, HUGH .. .. ..	J. I. Thornycroft & Co., Chiswick, W.
1900 Dec. 4.	CALTHROP, EVERARD RICHARD ..	{3 Crosby Square, E.C. (Raillerais, London. Avenue 4360).
1892 Apr. 5.	CAMARA, ANTONIO DE LA ..	Calle Marmoles 6, Seville, Spain.
1881 Dec. 6.	CAMERON, EDWARD ALEXANDER ..	The Towers, College Road, Buxton.
1879 May 27.	{CAMPBELL, DAVID WILKINSON, C.I.E. .. .. .. ..	55 Esplanade, Greenock.
1887 Apr. 5.	CAMPBELL, KENNETH FINDLAY .. .. .. ..	Borough Engineer, Huddersfield.
1900 Jan. 23.	LATER .. .. .. ..	
1868 Dec. 1.	CAMPBELL, THOMAS PROCTER ..	Dalhousie, Punjab.
1889 Apr. 30.		
1872 Dec. 3.	*CAMPION, JOHN MONTRIOU ..	15 Lansdowne Road, Bedford.
1885 Feb. 24.		[E.C.]
1876 Feb. 1.	CANNING, Sir SAMUEL .. ..	3 Gt. Winchester Street Buildings,
m †{1890 Jan. 14.}{1898 Nov. 29.}	*CAPPER, Professor DAVID SING, M.A. ( <i>Edin.</i> ) .. .. ..	King's College, Strand, W.C.

Date of Election and of Transfer.	MEMBERS.
1863 Dec. 1.) CARBUTT, Sir EDWARD HAMER,	19 Hyde Park Gardens, W.
1888 Apr. 17.) Bart. .. .. .. ..	Burma Rys. Co., Insein, Burma.
1886 Feb. 2.) CARDWELL, CORNELIUS EDWARD	
1896 Mar. 31.)	
†{1877 Dec. 4.) *CAREY, ALFRED EDWARD ..	{110 Fenchurch Street, E.C. (Fore-
{1884 Dec. 23.)	shore, London.)
1870 Apr. 5.) CARGILL, THOMAS, B.A. ( <i>Dubl.</i> )	{E. E. Brook, 4 King's Bench Walk,
1877 Nov. 27.)	Temple, E.C.
1878 May 7.) *CARLESS, GEORGE PROCTER ..	Trevenna, Fnre Platt, Maidenhead.
1896 Dec. 22.)	
1866 Mar. 6.) CARLILE, HUGH .. .. ..	6 Kandauerstrasse, Riga.
1883 Dec. 4.) CAROLIN, EDWARD RICHARD ..	{District Engineer, Govt. Railways,
1888 Feb. 14.)	Cape Town, C.C.
†{1886 Apr. 6.) CARPENTER, CHARLES CLAUDE	{South Metropolitan Gasworks, 709A
{1896 Mar. 17.)	Old Kent Road, S.E.
1892 Jan. 12.) CARR, ISAAC .. .. .. ..	Gas and Waterworks, Widnes.
1898 Dec. 20.)	
1875 May 4.) CARR, MARK WILLIAM .. ..	{c.o. H. G. Humby, 39 Victoria Street,
1884 Mar. 4.)	S.W.
1891 Apr. 7.) *CARR, ROBERT ALFRED .. ..	{Gwendraeth Valley Ry., Burry
1901 Apr. 23.)	Port, S. Wales.
t †{1875 Dec. 7.) CARRINGTON, WILLIAM THOMAS	
{1881 Nov. 29.) HENNEY .. .. .. ..	72 Mark Lane, E.C.
1869 May 11.) CARROLL, EDWARD BROTHERTON	Oriental Club, Hanover Square, W.
1877 Jan. 23.)	
†{1866 Jan. 9.) CARRUTHERS, JOHN .. .. ..	13 Victoria Street, S.W.
{1871 May 16.)	
1896 Dec. 1.) CARSON, HOWARD ADAMS .. ..	Malden, nr. Boston, Mass., U.S.
t †{1876 Dec. 5.) CARSON, WILLIAM .. .. ..	Bryn Estyn, Chester.
1876 Feb. 1.) CARTER, WILLIAM ALLAN ..	5 St. Andrew Square, Edinburgh.
1887 Jan. 25.)	
1878 Feb. 5.) CARTWRIGHT, GEORGE .. ..	Great Central Ry., Grimsby Docks.
1884 Mar. 18.)	[Lanes.
1875 Dec. 7.) CARTWRIGHT, JOSHUA .. ..	Peel Chambers, Market Place, Bury,
1885 Jan. 20.)	
m {1884 Feb. 5.) *CASE, ALBERT HAVELOCK ..	{Engineer's Office, Beachy Head
{1893 Dec. 5.)	Lighthouse Works, Eastbourne.
†{1872 Apr. 9.) *CASH, JOSEPH .. .. .. ..	Gas Co., Hove, Brighton.
{1891 Apr. 7.)	
1902 Feb. 4.) {CASSON, ARTHUR WILLIAM ..	G.C.Ry., Elm Road, Wembley.
1868 Dec. 1.) HENRY .. .. .. ..	
1900 Mar. 6.) CATO, ALEXANDER .. .. ..	St. Macaire, Gironde, France.
1879 Mar. 4.) CAULFEILD, FRANCIS JOHN ..	
1887 May 24.) ROTHE TOBY ST. GEORGE ..	Taiping, Perak, S.S.
1902 Jan. 14.) {CAVENDISH, WILLIAM HASTINGS, ..	S. Pearson & Son, Vera Cruz, Mexico.
B.Sc. ( <i>Victoria</i> ) .. .. .. ..	
†{1864 Mar. 1.) CAY, WILLIAM DYCE, F.R.S.E.	1 Albyn Place, Edinburgh.
{1872 Apr. 16.)	
1878 May 7.) CHADWICK, GEORGE BURTON ..	{e.o. London and County Bank,
1884 Nov. 4.)	Brighton.
1872 Jan. 9.) CHADWICK, OSBERT, C.M.G...	{7 Carteret Street, Westminster,
1897 Nov. 30.)	S.W.
1889 Dec. 3.) CHALCRAFT, GEORGE BARKER	Bleak House, Gomersal, Leeds.
1899 Nov. 28.)	
1883 Jan. 9.) CHAMBERS, JOHN .. .. ..	9 Souchon Road, Shanghai.
†{1879 Dec. 2.) CHAMIER, GEORGE .. .. ..	{Mereantile Bank Chambers, Mar-
{1884 Jan. 22.)	garet Street, Sydney, N.S.W,
1882 May 23.) *CHANTER, FRANCIS WILLIAM ..	Frethey, Taunton.
1893 Feb. 21.)	

Date of Election  
and of Transfer.

## MEMBERS.

1875 Mar. 2.	CHAPMAN, ALFRED .. ..	Fawcett, Preston & Co., 17 York Street, Liverpool.
1878 Jan. 15.	CHAPMAN, HENBY .. ..	69 Victoria Street, S.W.
1872 Feb. 6.		
1879 Jan. 14.	CHAPMAN, HENRY BENJAMIN	Boskenna, Shirehampton, Bristol.
1890 Dec. 4.	HOGHTON .. .. ..	{ 20 Bucklersbury, E.C. (Fawcett, London.)
1875 Mar. 2.	CHAPMAN, JAMES GREGSON ..	Cadewell, near Torquay.
1878 Jan. 15.		(Mon Abri, Alington Rd., Lansdowne
1879 Feb. 4.	CHAPMAN, JOSEPH CRAWHALL ..	{ Park, Bournemouth.
1894 May 22.	CHAPMAN, ROBERT .. ..	New Bridge Works, Runcorn.
1864 Jan. 12.	CHASE, LLOYD HEBER ..	
1894 Jan. 9.		{ Director of Public Works, Hong- kong.
†{ 1885 Feb. 3.	*CHATHAM, WILLIAM ..	Gustia, <i>via</i> Baraset, Calcutta.
†{ 1897 Nov. 30.		m { 1879 Feb. 4.
	*CHATTERTON, GEORGE, ..	The Sanctuary, Westminster
	M.A. ( <i>Dubl.</i> ) .. ..	S.W.
†{ 1883 Nov. 27.	CHATTERJEE, Rai Bahadur	21 Gloucester Road, Regent's Park,
	KHETTER NAUTH.. ..	{ N.W.
1886 Feb. 2.	CHEESEWRIGHT, FREDERICK ..	Dart Villas, Totnes. (Chenhall,
1891 May 12.	HENRY ..	Totnes.)
†{ 1882 May 23.	CHENHALL, JAMES WARNE ..	Gas Dept., 6 George St., Nottingham.
†{ 1898 Apr. 26.	CHESTER, WILLIAM REGINALD ..	
		Wakefield. (Childe, Wakefield, 33.)
†{ 1887 Jan. 11.	CHILDE, HENBY SLADE ..	
1896 Dec. 15.	CHORLTON, JOHN SAMUEL ..	The Rookery, Chatburn, Clitheroe.
1880 May 25.		{ St. Cyr, William St., South Yarra,
1847 Mar. 2.	CHRISTY, FREDERICK COLLIER ..	Melbourne, Victoria.
1873 Dec. 23.	CHROCKATT DE SA PEREIRA DE	56 Rua do Cosme Velho, Rio de Janeiro.
1894 Dec. 4.	CASTRO, JOÃO .. ..	
1896 May 19.	CHUBB, THOMAS LYON ..	Western Railway, Buenos Aires.
1875 Feb. 2.	CHURCH, RICHARD FREDERICK ..	20 Victoria Street, S.W. (West- minster, 252.)
1878 Jan. 15.	*CHURCHWARD, GEORGE DUNDAS ..	Metropolitan Railway Carriage Co.
1897 Apr. 6.		Saltley Works, Birmingham.
1898 Dec. 6.	CLARK, CHARLES COSBY STEWART ..	Thos. Cook & Son, Rangoon, Burma.
1895 Dec. 3.	CLARK, EDWIN KITSON, ..	Airedale Foundry, Leeds.
1897 Dec. 7.	M.A. ( <i>Cantab.</i> ) .. ..	
1890 Mar. 4.	*CLARKE, GEORGE JAMES..	Tees Conservancy, Middlesbrough.
1892 Nov. 22.		
1888 Apr. 10.	*CLARKE, JOSEPH PERCIVAL ..	B.A. & Rosario Ry., 748 Avenida de Mayo, Buenos Aires. [S.W.
1896 Feb. 25.		39 Old Queen Street, Westminister,
1866 May 15.	CLARKE, WILLIAM .. ..	
1888 Dec. 4.	CLARKE, WILLIAM JOHN..	H.M. Dockyard, Devonport.
1901 Dec. 11.		
1884 Jan. 8.	CLAYTON, THOMAS GETHING ..	Midland Ry., Derby. [U.S.
1887 Dec. 6.	CLEMENT, LEWIS METZLER ..	Haywards, Alameda County, Cal.,
W t { 1889 Jan. 8.	CLERK, DUGALD .. ..	18 Southampton Buildings, Chan- cery Lane, W.C. (Abecedy, London, Holborn, S36.)
1899 Dec. 12.		
†{ 1888 Dec. 4.	*CLIFTON, COURtenay THORNTON ..	Ministry of Public Works, Cairo.
†{ 1900 Apr. 10.		
1893 Dec. 5.	*CLIREHUGH, STAMFORD VAIR..	Queen Anne's Mansions, West- minster, S.W.
1901 Feb. 19.		
1877 Dec. 4.	CLOUGH, CHARLES FREDERIC..	16 Lion Gate Gardens, Richmond,
1898 Nov. 29.		Surrey.
1875 Dec. 7.	COATES, JOHN .. .. ..	99 Queen Street, Melbourne,
1888 Mar. 13.		Victoria.
1877 Jan. 16.	*COBLEY, WALTER HENRY ..	Govt. Rys., Maritzburg, Natal.
1890 May 6.		
1883 Feb. 6.	COCHRANE, CHARLES STYLE ..	Port of Spain, Trinidad.
†{ 1890 Feb. 4.	COCKRILL, JOHN WILLIAM ..	Boro' Engineer, Great Yarmouth
†{ 1899 Feb. 14.		

Date of Election  
and of Transfer.

## MEMBERS.

1866 Feb. 6.	CODRINGTON, THOMAS	.. ..	5 Riverdale Rd., Twickenham Park.
1872 Jan. 23.		.. ..	65 Station Street, Nottingham.
1891 Feb. 6.	COKE, GEORGE ELMESLEY	.. ..	(Mining, Nottingham.)
1897 Apr. 6.		.. ..	Local Govt. Board, Whitehall, S.W.
1895 Feb. 5.	{ COKE, WILLIAM LANGTON, Lt.- <i>Col. 3rd Batt. Derbyshire Regt.</i>	.. ..	9 Victoria Street, S.W. (Colam, London.)
1889 May 3.		.. ..	
1892 Jan. 26.	COLAM, WILLIAM NEWBY	.. ..	
†{1892 Jan. 12.	*COLE, WILLIAM HENRY	.. ..	41 Barton Street, Kensington, W.
{1895 May 14.	COLEBROOK, HENRY WILLIAM	c.o. II. S. King & Co., 45 Pall Mall,	
1891 Mar. 3.	VAUGHAN .. .. ..	S.W.	
†{1877 Dec. 4.	COLES, HENRY JAMES	.. ..	London Crane Works, Derby.
{1890 Dec. 16.	COLLARD, ROBERT	.. .. ..	Orehard Leigh, St. John's, Ipswich.
1886 Mar. 2.	COLLEDGE, FRANCIS STEEL	.. .. ..	109 Bath Street, Glasgow.
1899 Dec. 5.	{ COLLEN, WILLIAM, M.A.,	County Surveyor, 9 Hume Street,	
1894 Mar. 6.	B.A.I. ( <i>Dubl.</i> ) .. .. ..	Dublin.	
1898 Nov. 29.	COLLET, HAROLD VAN BRIEAN	2 Nassau Gardens, Barnes, S.W.	
1887 Dec. 6.	COLLIN, ALFRED JONES	.. ..	Cambrian Rys., Oswestry.
1901 Feb. 19.	COLLINS, ARTHUR ELLISTON	.. ..	Elizabeth, New Jersey, U.S.
† t †{1881 Feb. 1.	COLLINGWOOD, FRANCIS	.. ..	Vulcan Foundry, Newton-le-
1880 Dec. 7.	*COLLINGWOOD, WILLIAM	.. ..	Willows, Lanes.
1895 Mar. 5.	COLLISTER, JOHN GEORGE	.. .. ..	G. I. P. Railway, Bombay.
1887 Dec. 6.	HENRY .. .. ..		
1899 Feb. 28.	COLSON, ALFRED	.. .. ..	Gas Offices, Leicester.
†{1884 May 6.	COLSON, ERNEST	.. .. ..	Wedderburn Road, Hampstead, N.W.
{1892 Jan. 11.	*COLLISON, ALFRED HOWE	.. ..	The Springs, Lutterworth.
1899 Mar. 7.	COLYER, FREDERICK	.. .. ..	19 Lower Leeson Street, Dublin.
1882 Dec. 5.	COMBER, PATRICK FORSTALL	.. .. ..	19 Queen Street Place, E.C. (Adel-
1876 Mar. 7.	COMMANS, ROBERT EDDEN	.. .. ..	laide, London. Bank 828.)
1883 Dec. 4.	*CONGREVE, HUBERT	.. .. ..	Ship Canal Co., 41 Spring Gardens,
1893 Mar. 21.	CONNAL, EBEN	.. .. ..	Manchester.
1884 May 6.	CONNELL, DANIEL	.. .. ..	Midland & S.W. Junction Railway,
1891 Mar. 24.	M.E. ( <i>Queen's</i> )	.. .. ..	Cirencester.
1891 Dec. 1.	CONNELL, ALBERT NEUMANN	.. .. ..	Price & Wills, 15 Great George
1898 Dec. 6.	COODE, JOHN CHARLES	.. .. ..	Street, S.W.
1902 Mar. 4.	COONETT, ALBERT NEUMANN	.. .. ..	22a College Hill, E.C.
1870 May 24.	COOKE, MONTGOMERY PENROSE	.. .. ..	9 Victoria Street, S.W. (Penlee,
1877 Mar. 27.	COOMBS, CHARLES JOHN	.. .. ..	London. Westminster 47.)
1886 Dec. 7.	COOMBE, PLUMBE. B.A. ( <i>Lond.</i> )	.. .. ..	Ry. Department, Wellington, N.Z.
1896 Jan. 28.	COOMBE, PLUMBE. B.A. ( <i>Lond.</i> )	.. .. ..	Cedar Lodge, Plympton, Devon.
1894 May 1.	COOK, DAVID	.. .. ..	E. Hermite, 43 rue de la Victoire,
1887 Dec. 6.	COOK, GEORGE LESLIE	.. .. ..	Paris.
1889 Feb. 5.	COOK, WALTER EDMUND	.. .. ..	
1895 May 14.	COOM, JOHN	.. .. ..	
1893 Jan. 10.	COOMBS, CHARLES JOHN	.. .. ..	
1881 May 27.	COOPER, CHARLES FRIEND	.. .. ..	
1901 Feb. 19.	COOPER, CHARLES HAMLET	.. .. ..	
1895 Dec. 3.	COOPER, CHARLES HAMLET	.. .. ..	
1880 May 25.	*COOPER, CHARLES HAMLET	.. .. ..	Council Offices, Wimbledon.
{1899 Mar. 28.			

Date of Election  
and of Transfer.

## MEMBERS.

			Director of Public Works, Colombo,
1885 Dec. 1.)	*COOPER, FRANCIS ALFRED,	..	Ceylon.
1894 Mar. 13.)	C.M.G. .. .. ..		
1885 Feb. 3.)	COOPER, FREDERICK EASTMENT	..	11 Victoria Street, S.W.
† 1870 May 3.)	COOPER, ROBERT ELLIOTT	..	8 The Sanctuary, S.W.
‡ 1876 Jan. 11.)	(Member of Council.)	..	
1876 Mar. 7.)	COPLAND, WILLIAM ROBERTSON	{ 146 West Regent St., Glasgow. (Copland, Glasgow. 358.)	
† 1875 Jan. 12.)	COPPERTHWAITE, HAROLD ..	..	Holgate Road, York.
† 1880 Feb. 24.)	COPPERTHWAITE, WILLIAM	..	Santa Marta, Beaconsfield Road,
t † 1896 May 19.)	CHARLES .. .. ..		Westcombe Park, S.E.
1881 Feb. 1.)	{ CORNISH, JOSIAH EASTON, C.M.G. .. .. ..	..	Water Co., Alexandria, Egypt.
1881 Feb. 1.)	{ CORTHELL, ELMER LAWRENCE, M.A., D.Sc. ( <i>Brown Univ., Providence, R.I., U.S.</i> ) ..	..	1 Nassau Street, New York, U.S. (Tabanque, New York.)
1883 Feb. 6.)	*COSTE, JEAN LOUIS NAPOLEON	..	Boulevard St. Germain 177, Paris.
1899 Feb. 28.)	COTTON, CHARLES OSWELL ..	..	The Rowans, Abergavenny.
1881 May 31.)	COTTON, CHARLES PHILIP ..	..	Ryecroft, Bray, co. Wicklow.
1864 Mar. 22.)	COTTON, FRANCIS MICHAEL ..	..	Harbour Office, Holyhead.
1893 Feb. 7.)	COTTON, WILLIAM FRANCIS, Jun.	{ Alliance and Dublin Gas Co., D'Olier Street, Dublin.	
1874 Jan. 13.)	COTTON, WILLIAM GORDON ..	..	5 Council House Street, Calcutta.
1890 May 6.)	LYNCH .. .. ..	..	
† 1889 May 21.)	*COTTRELL, STEPHEN BUTLER	{ Overhead Railway, James Street, Liverpool.	
1895 Mar. 26.)			
1890 Feb. 4.)	*COUCHMAN, FRANCIS DUNDAS	King, King & Co., Bombay.	
1902 Feb. 11.)			
† 1894 May 22.)	COURTNEY, CHARLES FREDERICK	Central Broken Hill Mine, N.S.W.	
1876 May 30.)	*COURTNEY, FRANK STUART ..	38 Croxton Road, Dulwich, S.E.	
1889 Nov. 26.)			
† 1885 Apr. 14.)	COVENTRY, WALTER BULKELEY	{ Broad Sanctuary Chambers, West- minster, S.W.	
† 1888 Dec. 4.)	COWAN, DAVID .. .. ..	Clevedon, Cove, Dumbartonshire.	
1883 Mar. 6.)	COWAN, McTAGGART ..	..	33 Drummond Place, Edinburgh.
m † 1885 Feb. 3.)	*COWAN, PETER CHALMERS,	..	
1892 May 3.)	B.Sc. ( <i>Edin.</i> ) .. .. ..	33 Ailesbury Road, Dublin.	
1880 Dec. 7.)	COX, JOHN HENRY .. .. ..	City Surveyor, Bradford.	
1889 Dec. 3.)			
1883 May 29.)	CRABTREE, WILLIAM HENRY	..	20 Thorne Road, Doncaster.
1900 Dec. 18.)	ROBINSON .. .. ..		
1880 May 4.)	CRAIG, JOHN, M.A. ( <i>Dubl.</i> ) ..	..	Queenstown, Cape Colony.
1883 Nov. 6.)			
t † 1861 Apr. 9.)	CRAWFORD, Professor ROBERT,	Stonewold, Ballyshannon, Ireland.	
1879 Nov. 11.)	M.A.I. ( <i>Dubl.</i> ) .. .. ..		
1888 Dec. 4.)	CRAWFORD, ROBERT .. ..	..	Harbour Engineer, Greenock, N.B.
1893 Mar. 7.)			
1896 May 5.)	CRAWFORD, WILLIAM .. ..	{ Dept. Rys. and Canals, Ottawa, Canada.	
1877 Feb. 6.)	CRAWFURD, JOHN BRUCE ..	..	72 Cambridge Street, Pimlico, S.W.
1883 May 29.)			
1881 Mar. 1.)	CREASY, LEONARD .. .. ..	P.W.D., Kandy, Ceylon.	
1898 Mar. 22.)			
1879 Feb. 4.)	CRESWELL, ROBERT EDWARD ..	Te Horo, Wellington, N.Z.	
1884 Dec. 23.)			
1888 Mar. 6.)	CRIGHTON, CHARLES EDWIN ..	S. I. Ry., Negapatam, Madras.	
1882 Mar. 7.)	CROES, JOHN JAMES ROBERTSON	68 Broad Street, New York, U.S.	
1889 Dec. 3.)	CROFTS, CHARLES JAMES ..	..	Harbour Dept., Port Natal.
1899 Nov. 28.)			

Date of Election  
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## MEMBERS.

T t ♫	1886 May 18.	CROMPTON, ROOKES EVELYN BELL, C.B., Lt.-Col. Electrical Engs. R.E. (Vols.) .. ..	Thriplands, Kensington Court, W. 9 Albert Square, Manchester.
	1879 Mar. 4.	*CROOK, HENRY TIPPING ..	9 Albert Square, Manchester.
	1897 Nov. 30.	CROOK, HENRY TIPPING ..	9 Albert Square, Manchester.
	1892 Feb. 2.	CROSSLAND, JAMES FOYELL ..	67 King Street, Manchester.
	1894 May 22.	LOVELOCK .. .. ..	{ Simpson, Strickland & Co., Dart-
	1886 Feb. 2.	CROSS, WILLIAM .. .. ..	month.
	1891 Jan. 13.	CROSS, WILLIAM .. .. ..	{ Shalimar, Mount Eden Rd., Donny-
	1868 Jan. 14.	CROSTHWAIT, THOMAS PHILIP ..	brook, Dublin.
	1887 Dec. 13.	SHERARD, B.A. (Dubl.) ..	
	1871 Feb. 7.	CROUCH, WILLIAM .. .. ..	{ 53 Bothwell Street, Glasgow. (Crouch, Glasgow.)
	1868 Apr. 7.	CROUDACE, CHARLES HUTTON ..	H. S. King & Co., 45 Pall Mall, S.W.
	1879 Jan. 7.	CROWELL, FOSTER, M.C.E. { (Polytechnic Coll. Penn.) ..	{ 18 Broadway, New York, U.S. (Bu- dial, New York.)
	1878 May 7.	CROWTHER, GEORGE HENRY ..	Huddersfield.
	1893 Mar. 21.	CROWTHER, GEORGE HENRY ..	Beech Holme, Cromwell Parade,
	1867 Feb. 5.	CROZIER, WILLIAM .. .. ..	Scarborough.
S t ♫	1883 Feb. 6.	CRUTTWELL, GEORGE EDWARD ..	21 Delahay Street, Westminster, S.W. (Cruttwell, London. West- minster 24.)
	1888 Mar. 13.	WILSON .. .. ..	
t ♫	1860 May 1.	CUDWORTH, WILLIAM .. ..	Upperthorpe, Darlington.
† ♫	1883 Mar. 6.	CUDWORTH, WILLIAM JOHN ..	Eng.'s Office, N. E. Ry., York.
	1896 Jan. 7.		
	1881 Dec. 6.	CULVERWELL, GEORGE ..	
	1899 Dec. 12.	PEARL, B.A. (Dubl.) ..	County Down Ry., Belfast.
	1897 Jan. 12.	CUNHA, ERNESTO ANTONIO ..	General Lassance, 22 Rua José Boni-
		LASSANCE .. .. ..	facio, Nietheroy, Rio de Janeiro.
† ♫	1878 Dec. 3.	CUNNINGHAM, GRANVILLE CAR- LYLE .. .. ..	{ Central London Ry., 125 High Holborn, W.C.
	1863 Dec. 1.	CURREY, ELIOTT SCARLETT ..	Erlwood, Bagshot.
	1873 Apr. 1.	CURREY, ELIOTT SCARLETT ..	Erlwood, Bagshot.
m	1877 Dec. 4.	*CURRY, Professor MATTHEW ..	King's College, Strand, W.C.
	1886 Jan. 19.		
	1891 Apr. 7.	*CURRY, THOMAS ELMITT ..	{ e.o. Mrs. Curry, 18 Canning Road, Croydon.
	1883 Apr. 3.	CUTHBERT, EDWIN .. .. ..	Drainage Board, Christchurch, N.Z.

	1888 Dec. 4.	D'AETH, JOHN .. .. ..	P.W. Office, Kingston, Jamaica.
	1896 Apr. 21.		
	1876 May 2.	DAGLISH, GEORGE HEATON ..	{ Rock Mount, Aigburth, Liverpool. (Daglish, Aigburth, Liverpool.
† ♫	1891 Jan. 9.	DALBY, Professor WILLIAM ..	[2717.]
	1898 Nov. 29.	ERNEST, M.A. (Cantab.), B.Sc. (Lond.) .. .. ..	Technical College, Finsbury, E.C.
T t m ♫	1887 Dec. 6.	*DALRYMPLE - HAY, HARLEY ..	20 Victoria Street, S.W.
	1899 Mar. 28.	HUGH .. .. ..	
	1899 Dec. 5.	d'ALTON, PATRICK WALTER ..	{ Central London Ry. Power House, Shepherd's Bush, W.
	1881 May 31.	DANBY, WILLIAM .. .. ..	Hong Kong.
	1871 Mar. 7.	DANGERFIELD, EDWARD .. ..	40 Central Hill, Upper Norwood, S.E.
	1897 Dec. 7.	DARBY, JOHN HENRY .. ..	Brymbo, Denbighshire.
	1873 Dec. 2.	DARLEY, CECIL WEST ..	{ N.S.W. Government Office, 9 Vic-
	1879 Jan. 7.	(Member of Council) .. .. ..	toria Street, S.W.
	1883 Dec. 4.	DARTNALL, WILLIAM WHITNEY ..	Perth, Western Australia.
W t ♫	1877 Feb. 6.	DAVEY, HENRY .. .. ..	3 Princes Street, Westminster, S.W.
	1878 May 21.		

Date of Election  
and of Transfer.

## MEMBERS.

1884 May 6.	DAVIDSON, JAMES YOUNG .. ..					{ Stowe Lodge, Elm Grove, Wimble-
1876 Dec. 5.)	DAVIDSON, ROBERT .. ..					don, S.W.
1885 Dec. 1.)						37 Surrey Street, Sheffield.
1888 May 1.)	DAVIES, HARRY SEAGRAVE .. ..					{ Agency Engineer, Rajkot, Kathia-
1899 Dec. 5.)						war, India.
1884 May 6.	DAVIES, WILLIAM .. ..					The Celyn, Caergwrle, Wrexham.
1866 May 15.	DAVIS, HENRY WHEELER .. ..					5 Highbury Grove, N.
t †{1889 Dec. 3.)	DAVIS, JOSEPH .. ..					Sewerage Dept., Sydney, N.S.W.
†{1891 Nov. 9.)						
†{1884 Mar. 4.)	*DAVISON, ROBERT COPE HARDY .. ..					{ 25 Victoria Street, S.W. (Groynes,
†{1895 Jan. 22.)						London, Gerrard 5047.)
1885 May 5.	DAWNEY, CHARLES .. ..					367 Calle San Martin, Buenos Aires.
1884 May 27.)	*DAWSON, ERNEST FREDERICK .. ..					{ c.o. H. S. King & Co., 45 Pall Mall,
1901 Apr. 2.)						S.W.
1866 Dec. 4.)	DAWSON, GEORGE JAMES .. ..					North Staffs. Ry., Stoke-on-Trent.
1872 Mar. 27.)	CROSBIE .. ..					
1877 May 29.)	DAWSON, JOSEPH .. ..					{ 1274, 67th Street (East), Chicago,
1880 Feb. 10.)						Ill., U.S.
1886 Jan. 12.)	*DAWSON, WILLIAM .. ..					L. & N. W. Ry., Bangor.
1896 Feb. 25.)						
1886 Mar. 2.)	DAWSON, WILLIAM .. ..					Town Hall, Leyton, E.
1896 Feb. 25.)						
1878 Feb. 5.)	*DAWSON, WILLIAM ALFRED .. ..					1 Victoria Street, S.W.
1884 Jan. 8.)						
1883 Mar. 6.	DAY, ARTHUR JAMES .. ..					Northam Iron Works, Southampton.
1871 Jan. 10.	DAY, JAMES EDWARD .. ..					Violet Hill, Ballybrack, co. Dublin.
†{1872 Dec. 3.)	DEACON, GEORGE FREDERICK .. ..					{ 16 Great George Street, S.W.
†{1874 Jan. 6.)	(Member of Council) .. ..					{ (Vyrnwy, London.)
1886 Dec. 7.)	DEACON, MAURICE .. ..					Whittington House, nr. Chesterfield.
1892 Dec. 20.)						
1877 Mar. 6.)	DEAN, WILLIAM .. ..					10 Terlingham Gardens, Folkestone.
1878 Jan. 15.)						
†{1874 May 5.)	DEANE, HENRY, M.A. ( <i>Royal</i> ) .. ..					Ry. Dept., Sydney, N.S.W.
†{1886 May 11.)						
1895 Dec. 3.)	{ DEANE, HENRY HARGRAVE .. ..					B. B. & C. I. Ry., Bombay.
	B.A. ( <i>Dubl.</i> ) .. ..					
1886 Apr. 6.)	DE BRATH, STANLEY .. ..					Preston House School, Bookham,
1894 Feb. 20.)						Surrey.
t †{1888 May 15.)	DE BURGH, ERNEST MACARTNEY .. ..					Bridges Branch, P.W.D., Sydney,
†{1894 Nov. 20.)						N.S.W.
1868 Feb. 4.	DENHAM, CHARLES HENRY .. ..					Taljeriah, Craneswater, Southsea.
1889 Mar. 5.	DENNISON, GAVIN HADDEN .. ..					The Firs, Meadowbank, Oamaru, N.Z.
1900 Apr. 3.	DENNY, ARCHIBALD .. ..					Leven Ship-Yard, Dumbarton, N.B.
1863 Apr. 14.)	{ DENT, WILLIAM DENT, .. ..					{ 5 Greenheys Road, Princes Park,
	M.A. ( <i>Cambr.</i> ) .. ..					Liverpool.
1891 Dec. 1.)	{ DENTON, EARLEY BAILEY .. ..					9 Bridge Street, Westminster, S.W.
	B.A. ( <i>Oxon.</i> ) .. ..					
1865 Dec. 5.)	DEERRY, JOHN DICKSON .. ..					{ St. Ives, Richmond Park Road,
1878 May 28.)						Bournemouth.
†{1868 Feb. 4.)	DE RUSSETT, EDWIN WILLIAM .. ..					Warden House, Tynemouth.
†{1893 May 9.)						
1902 Apr. 22.	DEUCHARS, GEORGE .. ..					{ G. S. Schreschi, Lime Field,
1888 Mar. 2.)						Broughton Lane, Manchester.
1900 Apr. 3.)	DEVERELL, THOMAS CLARK .. ..					City Engineer, Calcutta.
†{1884 Mar. 4.)	*DEWRANCE, JOHN .. ..					Crammore Place, Chislerhurst.
†{1899 Nov. 28.)						
1888 Apr. 10.)	DICK, FREDERICK JOHN .. ..					Office of Public Works, Dublin.
1893 May 2.)						
1877 Feb. 6.)	DICK, GAVIN GEMMELL .. ..					{ Queensland Office, 1 Victoria Street,
1881 Nov. 15.)						S.W.

Date of Election  
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## MEMBERS.

1860 Apr. 3.	DICKINSON, JAMES AUSTEN ..		{ 8 Crosthwaite Park, Kingstown, co. Dublin.	
1895 Mar. 5.)	DICKSON, NORMAN BONNINGTON ..		Leopoldina Ry., Rio de Janeiro.	
1901 Dec. 11.)	DILLON, JAMES .. .. ..		36 Dawson Street, Dublin.	
1880 Apr. 6.	DIXON, EDWARD KEVILLE, M.E. ( <i>Royal</i> ) .. .. ..		County Surveyor, Castlebar, Mayo.	
1894 Nov. 27.)	DIXON, EDWARD WILSON ..		Waterworks Engineer, Harrogate.	
1895 Mar. 5.)	DIXON, EDWARD WILSON ..		Waterworks Engineer, Harrogate.	
1899 Nov. 28.)	DIXON, FREDERICK PARKER ..		Town Hall, Rathmines, co. Dublin.	
1891 May 12.	DIXON, WAYNMAN .. ..		{ Cleveland Dockyard, Middlesbrough. (Dixon, Middlesbrough.)	
1878 Feb. 5.)	DIXON, WAYNMAN .. ..		{ Cleveland Dockyard, Middlesbrough. (Dixon, Middlesbrough.)	
1882 Nov. 27.)	DODSON, EDWARD .. ..		Hereford St., Christchurch, N.Z.	
T t ♫ { 1842 Mar. 1.)	DODSON, EDWARD .. ..		Hereford St., Christchurch, N.Z.	
1881 Mar. 29.)	DODSON, EDWARD .. ..		Hereford St., Christchurch, N.Z.	
t ♫ { 1873 Feb. 4.)	*DOBSON, JAMES MURRAY ..		33 Great George Street, S.W.	
1880 Dec. 14.)	DODSON, SYDNEY THORNTON ..		{ St. James and Pall Mall Electric Light Co., Carnaby Street, W.	
1891 Feb. 3.)	DODWELL, CHARLES EDWARDS ..		42 Queen St., Halifax, Nova Scotia.	
1898 Mar. 15.)	WILLOUGHBY, B.A. ( <i>King's Coll., Nova Scotia</i> ) .. ..		42 Queen St., Halifax, Nova Scotia.	
1881 Apr. 5.)	DODWELL, CHARLES EDWARDS ..		Oughterard House, Oughterard, co. Galway.	
1884 Dec. 2.	DOIG, SCROPE BERDMORE ..		{ 8 Princes Street, Westminster, S.W.	
1889 May 7.)	DOLBY, ERNEST RICHARD ..		S.W.	
1901 Mar. 26.)	DOMINICO, GUILLERMO FREDERICO ..		Inspector General de Ferrocarriles, Casa de Gobierno, Buenos Aires.	
1894 Dec. 4.)	JORGE .. .. ..		Casa de Gobierno, Buenos Aires.	
t ♫ { 1882 Feb. 7.)	DONALDSON, HAY FREDERICK ..		Wood Lodge, Shooter's Hill, Kent.	
1891 Apr. 7.)	DONALDSON, THOMAS OLINTHUS ..		49 Lee Terrace, Blackheath, S.E.	
1863 Dec. 1.	DONALDSON, THOMAS OLINTHUS ..		49 Lee Terrace, Blackheath, S.E.	
1897 Dec. 7.)	DORMAN, JOHN WILLIAM, M.A. ( <i>Dubl.</i> ) .. ..		Railway, Georgetown, Demerara.	
1893 Feb. 7.	DORMAN, RICHARD HENRY ..		County Surveyor, Armagh.	
T t ♫ { 1882 May 23.)	*DOUGLASS, WILLIAM TREGAR-THEN ..		15 Victoria Street, S.W.	
1887 Dec. 6.)	DOUGLASS, WILLIAM TREGAR-THEN ..		15 Victoria Street, S.W.	
1883 May 1.	DOWNEY, ALFRED CHRISTIAN ..		Marton Road, Middlesbrough.	
W t ♫ { 1871 Mar. 7.)	DOWSON, JOSEPH EMERSON ..		{ 39 Victoria Street, S.W. (Gaseous, London.)	
1884 May 13.)	DRAPER, CARTER, B.A. ( <i>Dubl.</i> ) ..		26 Grosvenor Rd., Rathmines, Dublin.	
1883 May 29.	DREDGE, JAMES, C.M.G. ..		35 Bedford Street, Strand, W.C.	
1896 Feb. 4.	DREW, EDWARD ALEXANDER ..		The Mount, Braughing, Herts.	
1854 May 2.)	DREW, EDWARD ALEXANDER ..		L. & S. W. Ry., Nine Elms, S.W.	
1864 Nov. 29.)	DRUMMOND, DUGALD ..		L. & S. W. Ry., Nine Elms, S.W.	
T t ♫ { 1881 May 31.	DRUMMOND, DUGALD ..		Millwall Docks, E.	
T t ♫ { 1875 Feb. 2.)	DUCKHAM, FREDERIC ELIOT ..		{ Molong, Rosebank St., Darlinghurst, Sydney, N.S.W.	
1878 Apr. 9.)	DUFFY, WILLIAM .. ..		{ Molong, Rosebank St., Darlinghurst, Sydney, N.S.W.	
1882 Feb. 7.)	{ DUNCAN, Hon. GEORGE ALEX-ANDER HALDANE .. ..		8 Gloucester St., Boston, Mass., U.S.	
1887 Dec. 6.	DUNCAN, GEORGE SMITH ..		P.O. Box 16, Melbourne, Victoria.	
1885 Dec. 1.	DUNCAN, ROBERT .. ..		Whitefield Works, Govan, Glasgow.	
1876 Mar. 7.	DUNCANSON, ALEXANDER ..		Municipal Offices, Liverpool.	
1883 Dec. 4.	DUNLOP, CHARLES BLACKURN ..		{ The Nizam's State Ry., Secunderabad, Deccan.	
1896 May 5.	DUNN, GEORGE OWEN WILLIAM ..		P.W.D., Karachi, Sind.	
1879 May 6.)	DUNSCOMBE, CLEMENT, M.A. ( <i>Dubl.</i> ) .. .. ..		{ 92 Victoria Street, S.W. (Persuade, London.)	
1883 Jan. 23.)	M.A. ( <i>Dubl.</i> ) .. .. ..		{ Persuade, London.)	
1894 Mar. 6.	DUQUEMIN, JAMES .. ..		Braemar, St. Peter Port, Guernsey.	
S W t ♫ { 1897 Apr. 6.)	{ DURSTON, Sir ALBERT JOHN, K.C.B., R.N. ..		4 Westcombe Park Road, Black-	
			heath, S.E.	

Date of Election  
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## MEMBERS.

1887 May 3.)	DYACK, WILLIAM .. .. ..	Burgh Surveyor, Aberdeen.
1897 Nov. 30.)		
1869 Jan. 12.)	DYKE, THOMAS, B.A. ( <i>Oxon.</i> ) ..	Ashton Lodge, near Bristol.
1869 Dec. 7.)		
1866 Dec. 4.)	EACHUS, GEORGE EEDES .. ..	{ 39 Old Queen St., Westminster, S.W. (Tottenham 72.)
1871 Mar. 28.)		
1893 Apr. 11.)	EADY, GEORGE GRIFFIN .. ..	53 Victoria Street, S.W.
1901 Dec. 17.)		
1896 Feb. 4.)	EARLE, HARDMAN ARTHUR ..	Salford Ironworks, Manchester.
1877 Apr. 10.)	EATON, EDWARD MICHAEL ..	28 Victoria Street, S.W.
1902 Apr. 29.)		
1883 Feb. 6.)	EAYRS, JOHN THOMAS .. ..	{ Clarence Chambers, Corporation Street, Birmingham. [W.
1893 Dec. 19.)		
1854 Apr. 4.)	ECKERSLEY, WILLIAM .. ..	37 Palliser Road, West Kensington,
1899 Dec. 5.)	EDMUND, HENRY .. ..	{ 2 Queen Anne's Gate, Westminster, S.W.
1884 May 27.)	{ ELGAR, FRANCIS, LL.D. ( <i>Glas.</i> ), F.R.S. .. .. ..	34 Leadenhall Street, E.C.
1872 Feb. 6.)		
S t ✚ { 1878 Jan. 29.)	ELIOT, WHATELY .. .. ..	11 Alfred Street, Plymouth.
1874 Dec. 1.)	ELLICE - CLARK, EDWARD ..	Park House, Englefield Green.
1882 May 23.)	BAUDOUIN .. .. ..	{ 9 Bridge Street, Westminster, S.W. (Hydrower, London.)
W t ✚ 1882 Dec. 5.)	ELLINGTON, EDWARD BAYZAND	
1897 Dec. 7.)	{ ELLIOTT, Professor ARCHIBALD, CAMPBELL, D.Sc. ( <i>Edin.</i> )) ..	University College, Cardiff.
1872 Feb. 6.)	ELLIOTT, Cavaliere JOHN ..	31 Via S. Spirito, Florence.
1880 Mar. 2.)	ELLIS, ATTWILL .. ..	c.o. Capital & Counties Bank, Dawlish.
1888 Dec. 4.)	ELLIS, EDWARD .. ..	G. N. Ry., Leeds.
1896 Mar. 17.)		
1902 Feb. 4.)	ELLIS, HENRY DISNEY ..	{ Commissioner of Public Works, Kuching, Sarawak.
1884 Jan. 8.)	ELLIS, JOHN DEVONSHIRE ..	Atlas Works, Sheffield.
1887 Dec. 6.)	*ELLIS, REGINALD EATON	Mewburn, Ellis & Pryor, 70 Chancery Lane, W.C. (Patent, London. Holborn 243).
1896 Mar. 3.)		
1866 Apr. 10.)	ELLIS, WILLIAM IRLAM ..	49 Deansgate, Manchester.
1884 Mar. 18.)		
1870 Apr. 5.)	ELSDON, WILLIAM .. ..	George St., East Melbourne, Victoria.
1873 May 6.)	ELWES, RICHARD GERVASE ..	{ Suffolk House, Laurence Pountney Hill, E.C.
1878 Apr. 9.)		
1873 Dec. 2.)	*ELWIN, CHARLES .. ..	County Council, Spring Gardens, S.W.
1893 May 9.)		
1888 Dec. 4.)	ELY, THEODORE NEWEL ..	{ Pennsylvania Railroad, Broad St., Philadelphia, Pa., U.S.
1892 Feb. 2.)	*EMERSON, AMBROSE .. ..	Crown Point, Castle Bar Road, Ealing, W.
1900 Dec. 18.)		
1876 May 2.)	EMMOTT, PHILIP RICKMAN ..	Willow Brae, Parkstone, Poole.
1883 Nov. 6.)		
T t ✚ { 1876 Mar. 7.)	ENDE, MAX AM .. .. ..	18 Abingdon Street, S.W.
1884 Jan. 22.)		
1881 Dec. 6.)	ESCOTT, EDWARD RICE SWEET	16 Clifton Road, Halifax.
1890 May 6.)	*ESSON, WILLIAM BEEDIE ..	Victoria Works, Old Charlton, S.E.
1894 Dec. 18.)		
1874 Dec. 1.)	ESTALL, GEORGE .. ..	{ Metropolitan District Ry. Works, West Brompton, S.W.
1895 Nov. 26.)		
1896 Mar. 3.)	ETLINGER, JOHN ERNEST ..	Ewood, Hampton-on-Thames.
1890 May 6.)	EVANS, CHARLES THOMAS ..	The Towers, Lewes Rd., Eastbourne.
1899 Jan. 10.)	EVANS, DAVID .. ..	Cleveland House, Grangetown, Yorks.
1882 Mar. 7.)	EVANS, MORTIMER .. ..	Savile Club, Piccadilly, W.
1900 Mar. 6.)	EVANS, NEVILLE .. ..	Beach Mount, Waterloo, Lancashire.
1890 Dec. 2.)	EVANS, WILLIAM .. ..	Cyfarthfa Works, Merthyr Tydfil.
1884 May 27.)	EVENS, THOMAS .. ..	3 Crescent Road, South Norwood, S.E.

## LIST OF MEMBERS OF

Date of Election  
and of Transfer.

## MEMBERS.

1870 May 3.	*EVERARD, JOHN BREEDON ..	6 Millstone Lane, Leicester.
1886 Mar. 1.		
[1841 Mar. 16.]	EVILL, WILLIAM .. .. ..	43 Gloucester Gardens, W.
[1884 May 6.]		
t [1882 Jan. 10.]	Ewart, HENRY .. .. ..	Bixley Cottage, Gore Park Road,
t [1891 Nov. 3.]	Ewing, Professor JAMES .. .. ..	Eastbourne.
T t F [1891 Mar. 3.]	ALFRED, M.A. ( <i>Cantab.</i> ), B.Sc. ( <i>Elin.</i> ), F.R.S. .. .. ..	Langdale Lodge, The Avenue, Cambridge.
1874 Dec. 1.	EYLES, GEORGE LANCELOT, C.M.G.	2 Delahay Street, Westminster, S.W.
1880 Nov. 9.		
† 1879 May 27.	FAHEY, CHARLES SWAINE ..	Newstead, Darley Road, Meads, Eastbourne.
1880 Dec. 7.	FAHIE, WILLIAM JOSEPH ..	49 Ailesbury Road, Dublin.
1880 Feb. 3.	*FAREWELL, CHARLES WILLIAM ..	General Farewell, Westwood, Lans-
1897 Nov. 30.]	FREKE .. .. ..	down, Bath.
† [1887 Dec. 6.]	FARRAR, SIDNEY HOWARD ..	{ F. A. Robinson & Co., 54 Old Broad
[1891 Jan. 27.]		Street, E.C.
1875 May 4.]	*FAVELL, THOMAS MILNES ..	Fairwood, Pine Grove, Weybridge.
1894 Nov. 27.]		
m m † { 1888 May 1.]	*FAWCUS, WILLIAM PAUL JAMES ..	78 King Street, Manchester.
1896 May 5.]		
1868 Apr. 7.]	FENNER, HENRY ALGERNON ..	6 Eliot Hill, Lewisham, S.E.
1877 Oct. 30.]	SHRAPNEL .. .. ..	{ 1 Park Place, Leeds. (Forwick,
1867 Feb. 5.]	FENWICK, THOMAS .. .. ..	Engineer, Leeds.)
1871 May 2.]	FERGUSON, HENRY TANNER ..	Wolleigh, Bovey Tracey.
1884 Oct. 14.]		
1892 May 3.]	*FERGUSON, JOHN .. .. ..	160 Hope Street, Glasgow.
1902 Mar. 18.]		
1880 Dec. 7.]	FERGUSON, WILLIAM, M.A., B.A.I. ( <i>Dubl.</i> ) .. ..	Harbour Board, Wellington, N.Z.
1893 May 16.]		
† { 1884 Dec. 2.]	*FERGUSSON, JOHN COLEMAN ..	{ Gresham Chambers, Lichfield Street,
[1895 Nov. 26.]		Wolverhampton.
1886 Jan. 12.]	FERNAU, JOHN JAMES ..	Nenthead House, Nenthead, Carlisle.
1900 Dec. 18.]	CONSTANT .. .. ..	
W t m † { 1862 Dec. 2.]	FERNIE, JOHN .. .. ..	Hutchinson, Kansas, U.S.
1869 Feb. 23.]		{ Ingleside, Lyndhurst Road, Hamp-
1900 Feb. 6.]	FERRANTI, SEBASTIAN ZIANA DE	stead, N.W.
1867 May 21.]	FERRAR, WILLIAM GREY ..	{ St. Philip's Vicarage, Bethnal
1877 Oct. 30.]		Green, E.
1879 Jan. 14.]	FFORDE, JAMES .. .. ..	Raughlan, Lurgan, Ireland.
1881 Mar. 1.]	FIDDES, WALTER .. .. ..	{ 2 Queen's Avenue, Tyndall's
1896 Dec. 1.]	FIDDES, WALTER WILLIAM ..	Park, Clifton, Bristol.
t † { 1880 Jan. 13.]	FIDLER, Prof. THOMAS CLAXTON ..	49 Cranbrook Rd., Redland, Bristol.
1891 Feb. 3.]	FIELD, GEORGE ROBERT MOYLE ..	University College, Dundee.
1857 Mar. 3.]	FIELD, JOSHUA .. .. ..	P.W.D., Jhelum, Punjab.
1862 May 20.]		{ Latehmore House, Ham Common,
1886 Feb. 2.]	FIELDING, JOHN .. .. ..	Surrey.
1885 Feb. 3.]	FINCHAM, JAMES .. .. ..	Athas Works, Gloucester.
† { 1881 Feb. 1.]	FINLAY, CHARLES FARQUHAR, M.A. ( <i>Cantab.</i> ) .. .. ..	Hobart, Tasmania.
[1889 Mar. 12.]		East Indian Ry., Calcutta.
1886 Apr. 6.]	*FIRTH, CHARLES .. .. ..	Ferro Carril del Sud, Buenos Aires.
1896 Mar. 3.]		
1876 Dec. 5.]	FIRTH, THOMAS RHODES ..	Railway Dept., Sydney, N.S.W.
1875 Dec. 7.]	FISHER, HENRY OAKDEN ..	Ty Mynydd, Radyr, Cardiff.
1881 May 31.]		
1879 Dec. 2.]	FITCH, BENNETT .. .. ..	7 Grange Road, Ealing, W.
1884 Nov. 25.]		{ 3 Mount Vernon Street, Boston,
1899 Dec. 5.]	FITZGERALD, DESMOND ..	Mass., U.S.

Date of Election  
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## MEMBERS.

W t m	†	1883 May 29.	*FitzGIBBON, GERALD .. ..	Aire and Calder Navigation, Leeds.
		1898 Feb. 15.	{ *FitzMAURICE, MAURICE, 1893 Dec. 5. } B.A.I. (Dubl.) .. ..	) (London County Council, Spring Gar- dens, S.W.
	†	{ 1879 Feb. 4. } FLANNERY, Sir JAMES FOR-	TESCU, M.P. .. ..	9 Fenchurch Street, E.C.
	†	{ 1885 Mar. 3. }		
		1871 May 23.	{ FLEMING, Sir SANDFORD, K.C.M.G. .. .. ..	Ottawa, Canada.
	†	{ 1875 Feb. 2. } *FLETCHER, JAMES RICHARD ..	{ 1899 Jan. 17. }	{ 4 Rectory Terrace, Gosforth-on- Tyne.
		1871 Dec. 5.	{ FLOYD, WALTER COMBERMERE }	13 Miles Road, Clifton, Bristol.
		1885 Nov. 10.	{ LEE .. .. .. .. }	
		1890 May 20.	{ FOORD, HERBERT TAYNTON ..	5 Park Road, Winchester.
		1900 Jan. 30.		
		1880 Dec. 7.	FOOT, GEORGE .. .. ..	Ferro Carril Mexicano, Mexico.
†		1867 May 7.	FOOTNER, HARRY .. .. ..	St. David's, Berkhamstead.
		1877 May 1.	FORBES, EDMUND BATTEN ..	F. C. Taltal, Taltal, Chile.
		1883 May 29.	{ FOREES, Professor GEORGE, M.A. (Cantab.) F.R.S. .. ..	34 Great George Street, S.W.
t	†	{ 1889 Apr. 2. } FORD, JAMES THOMAS .. ..	C.M. Ry., Cartagena, U.S. Colombia.	
		{ 1899 Mar. 28. }		
		1895 May 21.	FORGIE, JAMES .. .. ..	{ N.Y. & L.I. Rlrd. Co., 20 West 34th Street, New York, U.S.
		1901 Dec. 17.		
†	{ 1883 Mar. 6. }	FOREST, BENJAMIN JAMES ..	{ Dominion Coal Co., Glace Bay, C.B., Canada.	
	{ 1895 Jan. 8. }			
		1887 Apr. 5.	FOSTER, THOMAS BARHAM ..	23 John Dalton Street, Manchester.
†	1874 Feb. 3.	FOULIS, WILLIAM .. .. ..	{ 2 Montgomery Quadrant, Kelvin- side, Glasgow.	
†	{ 1889 Jan. 8. }	*FOWLER, ALEXANDER FAR-	{ 3 Cook Street, Liverpool.	
	{ 1900 Feb. 27. }	QUHARSON .. .. ..		
		1869 Feb. 2.	FOWLER, ALFRED MOUNTAIN ..	1 St. Peter's Square, Manchester.
		1875 Jan. 26.		
		1873 Feb. 4.	*FOWLER, ALPIN GRANT ..	1 Cambridge Road, Norbiton, S.W.
		1883 Dec. 11.		
†	{ 1871 Feb. 7. }	FOWLER, GEORGE .. ..	Basford Hall, near Nottingham.	
	{ 1877 Dec. 18. }			
		1882 Dec. 5.	*FOWLER, PERCIVAL .. ..	2 Queen Square Place, S.W.
		1888 Nov. 27.		
†	{ 1885 Feb. 3. }	FOWLER, WILLIAM HENRY ..	{ Manor Avenue, Urmston, Man- chester.	
	{ 1900 Feb. 20. }		[ Brighton.	
		1869 Mar. 2.	FOX, ARTHUR DOUGLAS ..	St. George's Lodge, Arlington Villas,
		1880 Nov. 2.		{ Broad Street House, Old Broad Street, E.C.
		1886 Feb. 2.	*FOX, CHARLES HEYLAND ..	
		1900 Jan. 23.		
T t m	†	1866 Feb. 6.	{ FOX, Sir DOUGLAS (Past-President.) .. ..	28 Victoria Street, S.W. (Traction, London. Westminster 10.)
t	†	1860 Apr. 3.	FOX, DANIEL MAKINSON ..	9 Orme Court, Bayswater Hill, W.
T	†	1860 May 1.	FOX, FRANCIS .. .. ..	Lucerne, Meadowfoot Road, Torquay.
T S C	†	{ 1870 Dec. 6. }	FOX, FRANCIS .. .. ..	{ 28 Victoria Street, S.W. (Traction, London. Westminster 10.)
	{ 1874 Mar. 17. }			
T t	†	{ 1893 Dec. 5. }	*FOX, FRANCIS DOUGLAS,	{ 28 Victoria Street, S.W. (Traction, London. Westminster 10.)
	{ 1902 Mar. 25. }	M.A. (Cantab.) .. ..		
		1882 Mar. 7.	FOX, FREDERICK GEORGE BROOK	{ Ringmore Vean, Kingsbridge, Devon.
		1891 Mar. 24.		
		1881 Apr. 5.	FOX, SAMSON .. .. ..	Grove House, Harrogate.
		1877 Dec. 4.	FOX, WILLIAM .. .. ..	5 Victoria Street, S.W.
†		1877 Jan. 16.	*FOXLEE, WILLIAM THEODORE ..	53 Victoria Street, S.W.
		1884 May 27.		{ Westinghouse, Church, Kerr & Co.,
		1901 Feb. 5.	FRANCIS, GEORGE BLINN ..	8 Bridge Street, New York, U.S.
		1884 Feb. 5.	FRANCIS, HARRY .. .. ..	Waterworks Office, Devonport.
		1901 Dec. 11.		
		{ 1880 Jan. 13. }	FRANCIS, JOSEPH .. .. ..	New River Office, Clerkenwell, E.C.
	{ 1883 Apr. 17. }			

Date of Election  
and of Transfer.

## MEMBERS.

1889 Dec. 3.	FRANKLIN, FREDERICK AUGUSTUS	Buona Vista, Wollongong, N.S.W.
1873 Dec. 2.)	FRASER, JAMES .. .. ..	{ 100 Castle Street, Inverness. (Fraser, 1883 May 22.) Civil Engineer, Inverness.)
1895 May 21.)	FRASER, JAMES .. .. ..	{ Ry. Dept., Bridge Street, Sydney, 1897 Apr. 6.) N.S.W.
t ♫ 1862 May 6.	FRASER, JAMES GRANT .. ..	{ 1 Great Chapel Street, Westminster, S.W.
1875 Feb. 2.)	FRASER, PHILIP AFFLECK ..	Moniaek, Beauly, N.B.
1888 Nov. 20.)	FRASER, SAMUEL GORDON ..	14 Westmoreland Street, Dublin.
1894 Jan. 9.	FRASER, ROBERT JAMES ..	{ 7 Lothbury, E.C. (Fratribus, London. † { 1882 Dec. 5.) Frecheville, ROBERT JAMES { Avenue 2456.)
† { 1889 Jan. 15.)	FREITAS, ANTONIO DE PAULA ..	{ Rua Marquez d'Abrantes 82, Rio de Janeiro.
1887 Apr. 5.	FRIEND, ASTLEY PASTON ..	Waterworks, Cairo.
1893 Dec. 5.)	FRIEND, CHARLES ARTHUR ..	San Vicente 17, Seville, Spain.
† { 1892 Jan. 26.)	*FROST, HENRY FRANCIS BURNES ..	P.W.D., Ferozepore, Punjab.
1890 Apr. 10.)		
1884 May 27.	FROUDE, ROBERT EDMUND, F.R.S.	{ Admiralty Experiment Works, Gosport. (Froude, Claremont, Alverstoke.)
† { 1864 Feb. 2.)	FULLER, GEORGE .. .. ..	71 Lexham Gardens, Kensington, W.
† { 1878 Jan. 29.)	FULLER, GEORGE LEEDHAM ..	Hulham House, Exmouth.
1858 Dec. 7.)	FULTON, JAMES EDWARD ..	27 The Terrace, Wellington, N.Z.
1864 Dec. 6.)		
1881 Dec. 6.)	FULTON, JAMES EDWARD ..	
1888 Nov. 20.)		
m { 1875 May 4.)	*FYSON, ALFRED .. .. ..	1 Victoria Street, S.W.
m { 1884 May 27.)		
1877 Feb. 6.)	GABBETT, EDMOND RICH ..	{ 13 St. Clair Villas, Charlton Road, 1891 Dec. 8.) Blaekheath, S.E.
1872 May 7.)	GAEL, CHARLES EDWARD,	{ Charlton Kings, Cheltenham.
1878 May 14.)	B.A. (Cantab.) .. .. ..	
1886 May 18.)	GAHAN, HENRY HERBERT ..	{ Agivey House, Culerow, Ballymoney, 1892 Apr. 26.) co. Antrim.
1865 Mar. 7.	{ GALBRAITH, WILLIAM ROBERT (Member of Council.)	{ 20 Victoria Street, S.W. (Westminster 252.)
1864 Feb. 2.	GALE, JAMES MORRIS ..	45 John Street, Glasgow.
1884 Feb. 5.)	GALE, ROBERT MACNISH ..	{ Water Supply Dept., Ballan, Victoria.
1896 Dec. 15.)		
1886 Jan. 12.	GALIZIA, EMMANUEL LEWIS..	64 Strada Vescovo, Valetta, Malta.
1886 Mar. 2.	GALLOWAY, CHARLES JOHN ..	{ Knott Mill Ironworks, Manchester. (Galloway, Manchester.)
† { 1886 Dec. 7.	GALWEY, WILLIAM, M.A.I. (Dubl.)	Waterworks Co., Monte Video.
1891 Mar. 3.	GAMBLE, FRANCIS CLARKE ..	P.W.D., Victoria, British Columbia.
1867 Dec. 3.)	GANDON, CHARLES .. .. ..	{ 16 Tressillian Crescent, Brockley, 1881 May 31.) S.E.
1883 Dec. 4.)	GANGA RAM, Rai Bahadur ..	P.W.D., Lahore, India.
1888 Nov. 20.)		
1875 Feb. 2.)	*GARDINER, JOSEPH JONES ..	East Glen, Bideford, Devon.
1896 Jan. 21.)		
† { 1891 Mar. 3.	GARFORTH, WILLIAM EDWARD	Snydale Hall, near Pontefraet.
1873 Dec. 2.)	*GARLAND, WALTER FAITHFULL	Fairfield, Burmisland, N.B.
1887 Oct. 25.)		
1869 May 11.)	GARRETT, FRANK .. .. ..	{ Leiston Works, Suffolk. (Garrett, 1880 Dec. 21.) Leiston.)
1872 Jan. 9.)	GARWOOD, ALFRED EDWARD ..	[Mon. Hazlewood, Stow Park, Newport, 1878 Feb. 26.)

Date of Election  
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## MEMBERS.

1883	Dec. 4.	GASKELL, JAMES STRANACK ..	Surrey Commercial Docks, Rotherhithe, S.E.	
1892	Feb. 9.			
1868	Dec. 1.	GASKELL, THOMAS PENN ..	14 Victoria Street, S.W.	
1885	Dec. 15.			
1875	Mar. 2.	{ GASKIN, DONALD MACDONALD ..	22 Lord Street, Liverpool.	
1881	Nov. 29.	{ FORD .. .. .. .. ..		
1882	Dec. 5.	*GATES, WILLIAM HAYDEN ..	6 Chapter Road, Willesden Park, N.W.	
1897	Apr. 6.			
1882	May 2.	GATHERER, ARTHUR BRANDER ..	Elmwood, Belvedere, Jersey.	
1879	May 6.	GAUNTLETT, DEAN .. .. ..	Hyderabad, Deccan, India.	
1885	Feb. 24.			
1864	May 3.	GAVEY, GEORGE EDWARD ..	7 Westbourne Villas, West Brighton.	
1899	Dec. 5.	GAVEY, JOHN .. .. ..	Assistant Engineer-in-Chief, General Post Office, E.C.	
1891	Dec. 1.	GEE, WILLIAM .. .. ..	c.o. Alfred Kirkland, 90 Carleton Road, Tufnell Park, N.	
1873	Dec. 2.	GEOGHEGAN, HENRY THOMAS ..	Newport House, Donabate, co. Dublin.	
1876	Mar. 7.		Pernambuco; and Thatched House Club, St. James's, S.W.	
1879	May 27.	GHEWY, ALBERT BROWN ..		
1900	Dec. 4.	GIBB, WILLIAM DOIG .. ..	135 High Park Road, Newcastle-on-Tyne.	
1882	Jan. 10.	GIBBONS, THOMAS HUGHES ..	G. W. Ry., Eng.'s Office, Plymouth.	
1888	Dec. 4.	{ GIBSON, ARTHUR SUMNER ..	Bracondale, Binfield, Bracknell.	
		{ M.A. (Oxon.) .. .. ..		
1892	Dec. 6.	GILBERT, CHARLES FREDERIC ..	c.o. H.S. King & Co., 45 Pall Mall, S.W.	
1891	May 5.	*GILBERT, CHARLES HUMPHREY ..	Inspector-General of Naval Construction, Valparaiso, Chili.	
1901	Feb. 12.			
1884	May 6.	{ GILCHRIST, PERCY CARLYLE ..	Frogner Bank, Finchley Rd., N.W.	
1881	Feb. 1.	{ F.R.S. .. .. .. .. ..		
1888	May 8.	GILES, GEORGE FREDERICK LEE ..	Harbour Engineer, Belfast.	
1886	Apr. 6.	GILKES, GILBERT .. .. ..	Lynnside, Kendal.	
1892	Dec. 6.			
†	1884	Jan. 8.	GILLOTT, THOMAS .. .. ..	{ Butterley Ironworks, Derby. (Butterley, Alfreton.)
	1897	Apr. 6.	GISBORNE, JOHN BYRON ..	Allestree, Station Road, Loughton.
	1898	Apr. 5.		
	1898	Apr. 26.	GLASGOW, ARTHUR GRAHAM ..	38 Victoria Street, S.W.
	1876	Dec. 5.	GLASS, JAMES GEORGE HENRY ..	Tamworth, Mitcham, Surrey.
	1881	Dec. 6.	C.I.E. .. .. .. .. ..	
	1884	Dec. 2.	*GLEADLOW, FREDERIC .. ..	Parliament Mansions, Victoria St., S.W.
	1900	Mar. 27.		
t	1886	Jan. 12.	GLEIM, CHARLES OTTO .. ..	Dorotheenstrasse 184, Winterhude, Hamburg.
	1885	Apr. 14.	GLOVER, EDWARD, M.A., B.A.I. (Dubl.) .. ..	County Surveyor's Office, Naas, co. Kildare.
	1891	Apr. 28.		
t	1900	Dec. 19.	GLOVER, JAMES, M.A. (Cantab.) ..	Holly House, Lowton, Lancs.
	1879	May 6.	*GODFREY, WILLIAM BERNARD ..	23 St. Swithin's Lane, E.C.
	1895	Mar. 12.		
	1879	May 27.	GOLDSMITH, ALFRED JOSEPH ..	Lillington, Moray St., New Farm, Brisbane, Queensland.
	1883	May 8.		
	1873	Feb. 4.	GOLDSON, CHARLES BROWNE ..	9 Bath Terrace, Tynemouth.
	1877	Dec. 11.	M.A. (Cantab.) .. .. ..	
	1895	Feb. 5.	GOLDWYER, JOHN EDWARD ..	{ 53 Victoria Street, S.W. (Goldwyer, London).
	1869	Dec. 7.	GOLLA, LUCIEN ALEXANDER ..	Via Amedeo 45, Naples.
	1879	Feb. 25.		
	1874	May 12.	GOOCH, WILLIAM FREDERICK ..	17 Church Road, St. Leonards-on-Sea.
	1879	Feb. 4.	GOOD, CHARLES .. .. ..	{ Goldsmith Road, Claremont, Western Australia.
	1889	Apr. 30.		
	1894	Dec. 4.	GOOD, RICHARD HENRY ..	Summerstown House, Cork.
	1900	Jan. 30.		



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## MEMBERS.

<i>m</i>	<i>†</i>	1877 Dec. 4.	GRIFFITH, JOHN PURSER .. ..	Port and Docks Office, Dublin.
		1883 May 29.	GRIFFITH, NATHANIEL ROBERT .. ..	Westminster Chambers, Wrexham.
		1897 Apr. 6.	GRIFFITH, PERCY .. .. ..	54 Parliament Street, S.W.
		1892 Jan. 12.	GRIFFITHS, THOMAS .. .. ..	{ Water & Sewerage Dept., Pitt St., Sydney, N.S.W.
		1888 Dec. 4.	GRIMSHAW, JAMES WALTER .. ..	Australian Club, Sydney, N.S.W.
		1893 Feb. 28.	GROVE, FRANK .. .. ..	{ G. W. Railway, Glenora, Tasmania.
		1897 Dec. 7.	GRIMSTON, GEORGE SYLVESTER .. ..	27 Glenlue Rd., Blackheath, S.E.
		1892 Dec. 6.	GRINLING, ARTHUR JAMES .. ..	32 Friar Gate, Derby.
		1883 Mar. 6.	GROTHE, ALBERT .. .. ..	Zimapan, Est. Hidalgo, Mexico.
		1889 Dec. 3.	*GROVE, FRANK .. .. ..	{ G. W. Railway, Glenora, Tasmania.
		1901 Mar. 26.	GROVES, HERBERT .. .. ..	P.W.D., Rangoon, Burma.
		1875 Mar. 2.	GRÜNEWALD, JORGE RADE-MAKER .. .. ..	Rua de Leste, Rio de Janeiro.
		1883 Jan. 9.	GUPPY, THOMAS RICHARD .. ..	75 Via Gennaro Serra, Naples.
		1884 Apr. 1.	GUTTMANN, OSCAR .. .. ..	{ 12 Mark Lane, E.C. (Grantable, London. Avenue 2860.)
<i>t</i>	<i>†</i>	(1890 Apr. 1.)	Gwynne, JAMES EGLINTON ANDERSON .. .. ..	{ Brook Street Works, Holborn, E.C. (Gwynnegram, London.)
		1900 Jan. 30.	Gwynne, JOHN .. .. ..	81 Cannon Street, E.C.

		1881 Dec. 6.	HACK, HENRY .. .. ..	Gasworks, Saltley, Birmingham.
		1893 Dec. 5.	{ HACKETT, EDWARD AUGUSTUS, M.E. (Royal) .. .. ..	Greenville, Clonmel, co. Tipperary.
<i>TS</i>	<i>Ht</i>	1887 Mar. 1.	HADFIELD, ROBERT ABBOTT .. ..	Parkhead House, Sheffield.
<i>t</i>	<i>†</i>	1896 Jan. 21.	{ HAIGH, ARTHUR HARRY, B.Sc. (Victoria) .. .. ..	95 Blenheim Crescent, W.
		1881 May 3.	HAIRE, ROBERT .. .. ..	{ Rosetta, South Circular Road, Kilmainham, Dublin.
<i>†</i>		1879 Feb. 4.	HALES, WILLIAM PRIOR .. ..	Ry., Launceston, Tasmania.
		1891 Dec. 15.		
		1879 Feb. 4.	HALL, JOSEPH .. .. ..	Borough Surveyor, Cheltenham.
		1902 Apr. 29.		
<i>†</i>		1858 Dec. 7.	HALL, WILLIAM .. .. ..	{ 43 Antrim Mansions, Antrim St., Hampstead, N.W.
		1881 Feb. 22.		
		1885 Feb. 3.	HALL, WILLIAM SILVER .. ..	{ 3 Mitsu Bishi Building, Yariesucho, Tokio, Japan. (Silverhall, Tokio.)
		1897 Mar. 29.		
		1880 Dec. 7.	HALLETT, HOLT SAMUEL .. ..	28 Bryanston Street, W.
		1886 Dec. 7.		
		1890 Feb. 4.	HALLETT, JOHN HARRY .. ..	Bute Docks, Cardiff.
		1871 May 2.	HALPIN, DRUITT .. .. ..	{ 17 Victoria Street, S.W. (Halpin, London. Westminster 75.)
		1880 Feb. 27.		
		1888 Mar. 6.	HAMILTON, ARCHIBALD .. ..	Clyde Navigation, Glasgow.
		1879 Dec. 2.	HAMILTON, TALBOT .. .. ..	{ Tramways Trust, 497 Collins St., Melbourne, Victoria.
<i>†</i>		1877 Jan. 16.	HAMILTON-SMYTHE, ARTHUR .. ..	16 The Bund, Shanghai.
		1880 Dec. 14.	JAMES, B.A. (Dubl.) .. ..	
		1898 Dec. 6.	HAMMOND, ROBERT .. .. ..	64 Victoria Street, S.W.
		1875 Mar. 2.	HAMMOND, WALTER JOHN .. ..	The Grange, Knockholt, Sevenoaks.
		1884 Jan. 2.		
		1885 Dec. 1.	HANN, EDMUND MILLS .. ..	Aberaman, Aberdare.
		1887 May 3.	*HANNA, SAMUEL .. .. ..	Carriek, Esher, Surrey.
		1897 Mar. 29.		
		1877 May 29.	HANSON, CHARLES RASTRICK .. ..	{ c/o H. S. King & Co., 65 Cornhill, E.C.
		1885 Feb. 3.		

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## MEMBERS.

1883 May 1.)	*HANSON, EDWARD BEVERSHAM	Bankfield, Darcy Lever, Bolton.
1894 Mar. 6.)		
1887 May 24.)	HARDING, JOHN REGINALD ..	{ Canon Harding, Pentwyn, near
1891 Jan. 13.)		Monmouth.
t m †{1872 Mar. 5.)	*HARDING, JOSIAH .. .. ..	Casilla 836, Valparaiso, Chile.
1877 Apr. 17.)		
†{1863 Apr. 14.)	HARGRAVE, CHARLES TOWNS-	{ Inspector General of Roads, Adelaide,
†{1879 Feb. 4.)	HEND .. .. .. ..	South Australia.
1885 Dec. 1.)	{ HARGRAVE, HENRY JAMES ..	56 Upper Mount Street, Dublin.
	BENNET, M.A. ( <i>Dubl.</i> ) ..	
1884 Dec. 2.)	*HARGRAVE, HENRY WILLIAM ..	{ Moir's Chambers, St. George's
1896 Jan. 28.)		Terrace, Perth, Western Australia.
1890 Dec. 2.)	*HARRINGTON, HERBERT SEPTIMUS ..	United Service Club, Simla.
1898 Dec. 6.)	HARMAN, EDWARD ALFRED ..	Gas Department, Huddersfield.
1881 May 31.)	HARIK, WILLIAM .. .. ..	197 Severn Road, Cardiff.
1888 Nov. 27.)		
1881 Apr. 5.)	HARRINGTON, TIMOTHY .. ..	73 Highbury New Park, N.
†{1890 May 6.)	HARRIOTT, GEORGE MOSS ..	Nagpur, C. P., India.
†{1901 Apr. 2.)	C.I.E. .. .. .. ..	
1874 Dec. 1.)	HARRIS, EDMUND LEGH .. ..	Odessa, Russia.
1882 Feb. 28.)		
1848 Mar. 7.)	HARRIS, GEORGE WILLIAM ..	Millicent, South Australia.
1858 Jan. 26.)		
1877 Dec. 4.)	HARRIS, HENRY GRAHAM ..	{ 5 Great George Street, S.W. (Well-
1886 Nov. 16.)		bram, London. Westminster 60.)
1874 Apr. 14.)		
1879 May 27.)	HARRIS, RICHARD READER, K.C. ..	51 Clapham Common North, S.W.
†{1877 Apr. 10.)	HARRISON, CHARLES AUGUSTUS ..	N.E. Ry., Newcastle-on-Tyne.
1892 Dec. 6.)	HARRISON, JOHN ERNEST ..	160 Hope Street, Glasgow.
1896 May 5.)		
1900 Feb. 6.)	HARRISON, JOSEPH HUTCHINSON ..	2 Exchange Place, Middlesbrough.
1870 May 3.)	HART, JOHN HENRY EUSTACE ..	H. S. King & Co., 65 Cornhill, E.C.
T t L WSCm †{1856 Dec. 2.)	HARTLEY, Sir CHARLES, K.C.M.G., F.R.S.E. ..	26 Pall Mall, S.W.
1862 Apr. 1.)		
1874 Dec. 1.)	HARVEY, WILLIAM .. .. ..	B. B. & C. I. Railway, Bombay.
1882 Apr. 18.)		
1866 Mar. 6.)	HASSARD, RICHARD .. .. ..	1 Victoria Street, S.W.
1884 Feb. 5.)	*	
1902 Feb. 11.)	HASSELL, LLOYD .. .. ..	Ry. Dept., Brisbane, Queensland.
†{1885 May 5.)	HASWELL, CHARLES HAYNES ..	324 West 78th Street, New York, U.S.
1895 Dec. 3.)	HATCH, FREDERICK HENRY ..	
1901 Feb. 5.)	Ph.D. ( <i>Bonn.</i> ) .. .. ..	Box 1030, Johannesburg, Transvaal.
†{1879 May 6.)	HAWGOOD, HARRY .. .. ..	{ Bradbury Building, Los Angeles,
†{1889 Nov. 15.)		Calif., U.S.
1892 Apr. 5.)	HAWKS, JAMES DUDLEY .. ..	Mackinac Ry., Detroit, Mich., U.S.
W m †{1867 Feb. 5.)	HAWKSHAW, JOHN CLARKE, M.A. ( <i>Cantab.</i> ), ( <i>Vice-</i>	33 Great George Street, S.W.
1874 Mar. 10.)	<i>President.</i> ) .. .. ..	
†{1867 May 21.)	HAWKSLEY, CHARLES ..	30 Great George Street, S.W.
	( <i>President.</i> ) .. .. ..	
W t †{1892 May 3.)	HAY, DAVID .. .. ..	{ 2 Queen Square Place, Westminster,
1895 Jan. 8.)		S.W.
1896 Feb. 4.)	HAY, GEORGE .. .. ..	12 Mount Avenue, Ealing, W.
1891 Dec. 1.)	{ HAY, PETER SETON, M.A. ( <i>New Zealand</i> ) ..	P.W.D., Wellington, N.Z.
†{1881 Mar. 1.)		
†{1885 Feb. 24.)	HAY, ROBERT .. .. ..	Dunedin, N.Z.
1883 Apr. 3.)		
1892 Nov. 8.)	HAYES, EDWARD .. .. ..	Stony Stratford.
t †{1894 Mar. 6.)	*HEAD, ARCHIBALD POTTER ..	{ 47 Victoria Street, S.W. (West-
1901 Dec. 11.)		minster 237.)
t †{1884 Dec. 2.)	HEARSON, THOMAS ALFRED, R.N. ..	{ 22 Southampton Buildings, Chancery Lane, W.C.

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## MEMBERS.

1890 Feb. 4.	HEBERT, FREDERICK BENBOW	Under Seey. to Govt., Simla, India.
1892 May 24.	HECTOR, MAXIMILIAN .. ..	Bodenheim-bei-Mainz, Germany.
1898 Nov. 29.		
m †{1864 Jan. 12.	HEDERSTEDT, HENRY BURDETT	{ Twyford Lodge, Southlands Rd. Bickley.
{1868 Dec. 18.		
t m †{1876 Mar. 7.	*HEDGES, KILLINGWORTH ..	{ 1 Emery Hill Street, Westminster, S.W. (Soojee, London.)
{1884 Dec. 23.		
1901 Apr. 2.	HEDRICK, IRA GRANT .. ..	{ 2216 East 8th Street, Kansas City, Missouri, U.S.A.
1879 Dec. 2.	HEENAN, GEORGE FREDERIC	21 Clarinda Park East, Kingstown,
1886 Feb. 16.	HAMMERSLEY .. ..	co. Dublin.
C †{1872 Feb. 6.	HEENAN, HAMMERSLEY .. ..	4 Chapel Walks, Manchester.
{1876 Mar. 21.		
† 1884 Feb. 5.	{ HEENAN, ROBERT HENRY HAMMERSLEY .. ..	Harbour Works, Cape Town, C.C.
W t M †{1880 Dec. 7.	{ *HELE-SHAW, Professor HENRY SELBY, LL.D. ( <i>St. Andrew's</i> ),	University College, Liverpool.
{1887 Apr. 5.	F.R.S. .. ..	
1885 May 19.	*HELLINS, HENRY HERBERT ..	Engineer's Office, City Hall, Dublin.
1896 Dec. 22.		
1889 Dec. 3.	HELPS, JAMES WILLIAM .. ..	Gasworks, Croydon.
1900 Mar. 27.		
1878 Apr. 2.	*HEMANS, ARTHUR WILLOUGHBY	{ H. S. King & Co., 45 Pall Mall, S.W.
1894 Dec. 4.	HENDERSON, BRODIE HALDANE	Broad Street Avenue, E.C.
1899 Dec. 12.		
m †{1866 Mar. 6.	HENDERSON, DAVID MARR ..	{ Victory House, King's Road, Hove.
{1874 Nov. 24.		
T †{1855 Feb. 6.	HENDERSON, JAMES .. ..	Newham, Truro, Cornwall.
{1877 Nov. 27.		
1880 Dec. 7.	HENDERSON, JOHN BAILLIE ..	Brisbane, Queensland.
1884 Nov. 4.		
1869 Jan. 12.	HENNELL, THOMAS .. ..	6 Delahay St., Westminster, S.W.
1882 Mar. 21.		
1869 Dec. 7.	HENSLOWE, FRANCIS BOYLE ..	{ Hurdlingstone, Burnaby Rd., Bourne- mouth.
1879 Feb. 4.		
†{1889 May 7.	HENZELL, CHARLES GEORGE ..	{ Catecleugh, Otterburn, Northumber- land.
{1899 Mar. 28.		
1877 Mar. 6.	HEPWORTH, JOSEPH .. ..	Buckleuch Street Works, Edinburgh.
1889 Nov. 26.		
1883 May 29.	HERING, RUDOLPH .. ..	170 Broadway, New York, U.S.
1886 Nov. 16.		
1875 May 4.	HERRING, JOHN WILLIAM ..	{ River Wear Commission, Sunder- land.
1893 Jan. 10.		
1901 Apr. 23.	HERRING, WALTER RALPH ..	Granton House, Edinburgh.
1890 Dec. 2.	HERSCHEL, CLEMENS .. ..	2 Wall Street, New York, U.S.
†{1880 May 4.	*HERVEY, MATTHEW WILSON ..	{ West Middlesex Waterworks, Ham- mersmith, W.
{1891 May 5.		
1880 May 4.	*HESKETH, EVERARD .. ..	Dartford Ironworks, Kent.
1893 Nov. 14.		
1885 May 19.	HESLOP, THOMAS HIND BLUMER	County Surveyor, Norwich.
1896 Nov. 16.		
1886 Dec. 7.	ETHERINGTON, JOHN MUIR ..	19 Upper Grosvenor Street, W.
1876 Dec. 5.		
1881 Jan. 11.	HEWSON, THOMAS .. ..	City Engineer, Leeds.
1883 May 1.	HEYLAND, HERBERT KYFFIN	{ Loughrigg, Cavendish Road, Sutton, Surrey.
1892 Nov. 8.		
1874 Feb. 3.	HICKSON, ROBERT ROWAN PUR-	{ President, Harbour Trust Com- mission, Sydney, N.S.W.
1876 Feb. 8.	DON .. ..	
1890 Apr. 1.	HIGGINS, ANDREW FRANK ..	Prospect House, Darjeeling, Bengal.
†{1888 Dec. 4.	HIGGINS, GEORGE .. ..	{ 60 Market Street, Melbourne, Victoria.
{1895 Jan. 22.		
1888 Jan. 10.	*HIGHAM, GEORGE WILLIAM ..	10 Douglas Avenue, Hythe.
1901 Mar. 5.		

Date of Election  
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## MEMBERS.

1882 May 23.	HIGHAM, Sir THOMAS, K.C.I.E.	Irrigation Dept., Lahore, India.
1901 Mar. 5.	HIGSON, CHARLES HUGH..	{ 106 Eccles Old Road, Pendleton, Manchester.
1878 Dec. 3.	HIGSON, JACOB..	{ 18 Booth Street, Manchester.
1878 Dec. 3.	HIGSON, JOHN ..	{ (Mining, Manchester, 1034.)
† { 1887 Feb. 1.)	HILL, ARTHUR EDMUND BRE-	{ New Westminster, British Colum-
{ 1891 Nov. 3.)	TON, B.A.Sc. ( <i>McGill</i> ) ..	bia.
† { 1891 Dec. 1.)	HILL, ERNEST PRESCOT ..	3 Victoria Street, S.W.
T t † { 1894 Jan. 16.)	{ HILL, GEORGE HENRY ..	{ 3 Victoria Street, S.W. (Thirlspot, (Member of Council)..
T t † { 1872 Feb. 6.)	{ ..	London.)
1887 Dec. 6.)	HILL, HENRY ASHTON ..	{ South Staffs. Waterworks, Birming- ham.
1896 Feb. 4.)	HILL, HENRY ELLIS ..	9 Victoria Street, S.W.
1875 Dec. 7.)	HILL, JAMES NINIAN ..	41 Chaucer Road, Acton, W.
† { 1883 May 29.)	HILL, LUKE MULLOCK,	{ Municipal Engineer, Georgetown,
{ 1901 Feb. 12.)	B.E. ( <i>Queen's</i> ) ..	Demerara.
1896 Dec. 1.)	HILLER, EDWARD GEORGE ..	{ Oakholme, Wilbraham Road, Alex- andra Park, Manchester.
1891 Feb. 19.)	HILLMAN, CHARLES LA	{ Alameda 18, Santiago, Chile.
FLETCHER ..	..	
1871 Mar. 10.)	HILTON, JOHN EDWARD ..	The Chestnuts, Lambourn, Berks.
1883 Nov. 13.)	HINNELL, HENRY LEONARD ..	26 Corporation Street, Manchester.
1889 Jan. 8.)	*HODGE, HENRY WILSON ..	1 Nassau Street, New York, U.S.
1891 Nov. 5.)	*HODGES, ROBERT NATHANIEL ..	{ East Hopetown, Dehra Doon, N.W.P., India.
1885 Feb. 3.)	HODGSON, HARRISON ..	9 Gracechurch Street, E.C.
1893 Nov. 7.)	*HODGSON, WILLIAM ..	Eng.'s Office, Midland Ry., Derby.
1878 Feb. 5.)	HODGSON, CHARLES WILLIAM ..	Grindlay, Groom & Co., Bombay.
1891 Nov. 5.)	HODSON, GEORGE ..	{ Abbey Buildings, Princes St., West- minster, S.W. (Output, London.)
1870 Mar. 1.)	HOGAN, JOHN POICTEVIN LEMON ..	Grindlay, Groom & Co., Bombay.
1886 Apr. 13.)	HOGARTH, DAVID FRANCIS ..	Rivershill, Cheltenham.
1881 Dec. 6.)	HOGG, ALEXANDER LAUDER ..	{ Tramways Co., 153 Corporation Street, Birmingham.
1878 Feb. 5.)	HOGG, CHARLES PULLAR ..	{ 53 Bothwell Street, Glasgow. (Crouch, Glasgow.)
1902 Jan. 14.)	HÖK, CHRISTOPHER WILHELM ..	10 Karlplatan, Stockholm.
1882 Feb. 7.)	HOLDEN, JAMES ..	{ G. E. Ry., Stratford, E. (Eastden, London.)
1887 May 24.)	HOLGATE, THOMAS ..	Rockleigh, Savile Park, Halifax.
T t † { 1893 May 2.)	HOLLINGSWORTH, CHARLES ..	5 Ritherdon Road, Upper Tooting, S.W.
{ 1898 Nov. 29.)	ERNEST ..	
1861 Apr. 9.)	HOLME, CHARLES HENRY ..	Rathburne, Duns, N.B.
1879 Jan. 7.)	*HOLMES, ARTHUR BROMLEY ..	36 Princes Avenue, Liverpool.
1880 Mar. 2.)	HOLMES, JOHN HENRY ..	{ Wellburn, Jesmond, Newcastle-on- Tyne.
1888 Mar. 6.)		
1884 Jan. 8.)	*HOLMES, JOHN HENRY ..	
1897 Mar. 2.)		

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## MEMBERS.

W t ♫	1887 Feb. 1.) 1897 Jan. 19.)	HOLMES, ROBERT WEST .. ..	P.W.D., Wellington, N.Z.
t ♫	1875 Feb. 2.) 1895 Jan. 8.)	HOLT, ALFRED .. ..	{ 1 India Buildings, Liverpool. (Alfred Holt, Liverpool.)
t ♫	1895 Feb. 2.)	HOLT, FOLLETT .. ..	Entre Rios Ry., Parana, Argentina.
t ♫	1875 Feb. 2.) 1898 Apr. 5.)	HOLT, HENRY PERCY .. ..	15 Kensington Court, W.
t ♫	1875 Apr. 6.) 1879 Jan. 7.)	HOLTHAM, EDMUND GREGORY ..	{ J. M. Small, 17 Victoria Street, S.W.
t ♫	1895 Jan. 8.)	HOMFRAY, SAMUEL GEORGE ..	8 Great George Street, S.W.
T t S ♫	1864 May 24.) 1876 Apr. 25.)	HOOD, WELLS .. ..	{ Ravenswood, Surrey Road, Bourne- mouth West.
t ♫	1892 Apr. 5.) 1900 Feb. 20.)	HOPKINS, WALTER BERNARD ..	Clun House, Surrey Street, W.C.
T t S ♫	1882 Dec. 5.) 1888 Jan. 24.)	HOPKINSON, CHARLES, B.Sc. ( <i>Victoria</i> ) .. ..	29 Princess Street, Manchester.
†	1885 Jan. 13.) 1890 Nov. 11.)	HOPKINSON, EDWARD, M.A. ( <i>Cantab.</i> ), D.Sc. ( <i>Lond.</i> ) ..	Salford Ironworks, Manchester.
	1880 Jan. 13.)	HORAN, JOHN, M.E. ( <i>Royal</i> ) ..	82 George Street, Limerick.
	1890 Feb. 25.)	HORAN, JOHN, M.E. ( <i>Royal</i> ) ..	82 George Street, Limerick.
	1889 Apr. 2.)	HORBURY, GEORGE FRANCIS ..	Byculla Ironworks, Bombay.
	1897 Apr. 6.)	HORN, THOMAS .. ..	{ Granville Lodge, Palace Road, Streatham Hill, S.W.
	1870 Feb. 1.)	HORN, THOMAS .. ..	6 The Grove, Muswell Hill, N.
	1886 Feb. 9.)	HORN, THOMAS WILLIAM ..	{ 22 Wharf Road, City Road, N. The Laurels, Romilly Road, Barry, Cardiff.
	1878 May 28.)	HORSLEY, CHARLES .. ..	63 Pitt Street, Sydney, N.S.W.
	1878 May 28.)	HORSLEY, CHARLES .. ..	{ P.W.D., Trial Bay, Macleay River, N.S.W.
†	1881 Apr. 5.) 1900 Jan. 30.)	HOUSTON, JAMES LENNOX ..	151 Canuon Street, E.C.
	1881 Mar. 1.)	HOW, WILLIAM FIELD ..	{ Mutual Life Buildlings, George St., Sydney, N.S.W.
	1893 Nov. 14.)	HOW, WILLIAM FIELD ..	195 Scotland Street, Glasgow. (How- den, Glasgow. 1467.)
	1892 Apr. 5.)	HOWDEN, JAMES .. ..	Queensberry Lodge, Grenton Road, Edinburgh.
†	1867 Feb. 5.) 1872 Dec. 3.)	HOWKINS, JOHN .. ..	2 Exchange Place, Middlesbrough.
	1888 May 1.)	HOWSON, RICHARD .. ..	Norfolk Works, Sheffield.
	1897 Jan. 12.)	HOYLE, JAMES ROSSITER ..	{ 25 Victoria Street, S.W. (West- minster 423.)
	1884 Feb. 5.)	HUDLESTON, FERDINAND ..	Central Uruguay Railway, Monte Video.
	1898 Mar. 22.)	HUDSON, FRANK .. ..	Glenholme, Bromley Cross, Bolton.
	1880 May 4.)	HUDSON, FRANK .. ..	{ 13 Ashburnham Mansions, Ash- burnham Road, Chelsea, S.W.
	1888 Jan. 17.)	HUDSON, JOHN GEORGE ..	Reservoir Works, Marsden, Yorks.
	1879 Feb. 4.)	HUDSON, JOHN GEORGE ..	Festiniog Ry., Portmadoc.
	1887 Jan. 25.)	HUGHES, ARTHUR JOHN, C.I.E. ..	{ Chairman, Port Trust, Bombay.
	1881 Dec. 6.)	HUGHES, JOHN ELLIS .. ..	3 Hengist Road, Bournemouth.
	1879 May 6.)	HUGHES, JOHN SYLVESTER ..	{ Government Railways, Maritzburg, Natal.
	1896 Dec. 22.)	HUGHES, WALTER CHARLETON, C.I.E. ..	39 Victoria Street, S.W.
	1881 May 31.)	HUGHES, WILLIAM, M.E. ( <i>Queen's</i> ) .. ..	N. W. Ry., Lahore, India.
	1888 Oct. 30.)	HUMBY, ALBERT JAMES ..	
	1885 May 5.)	HUMBY, ALBERT JAMES ..	
	1897 Feb. 2.)	HUMBY, HENRY GEORGE ..	
	1881 May 31.)	HUMFREY, GEORGE .. ..	
	1891 Dec. 8.)	HUMFREY, GEORGE .. ..	
	1895 May 21.)	HUMFREY, GEORGE .. ..	

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## MEMBERS.

1895 Mar. 5.	HUMPHREYS, ALEXANDER	31 Nassau Street, New York, U.S.
	CROMBIE .. .. ..	(Humglas, New York.)
1899 Mar. 7.	*HUMPHREYS, GEORGE WILLIAM	1 Clearmount Terrace, Rodwell,
1888 Apr. 10.	HUMPHREYS, ROBERT HARRY ..	Deptford Pier, S.E. [Weymouth.]
t ✠ 1881 Mar. 1.	HUNT, CHARLES .. .. ..	15 Victoria Street, Westminster, S.W.
1901 Mar. 5.	HUNT, ROBERT WOOLSTON ..	The Rookery, Chicago, U.S.
1890 Feb. 4.	HUNTER, SIDNEY HERBERT ..	{ 202 Bow Road, E. (Venator, London.)
1899 Nov. 28.		Stratford 45.)
1865 May 2.	HUNTER, WALTER .. .. ..	17 Victoria Street, S.W.
1878 May 14.		
† ✠ 1891 May 5.	HUNTER, WILLIAM HENRY ..	{ Skip Canal, Eng.'s Office, Man-
1868 May 19.		chester.
1897 Nov. 30.	HURST, WILLIAM .. .. ..	{ L. & N. W. Ry., Ashbourne, Derby-
m ✠ 1879 May 27.	*HURTZIG, ARTHUR CAMERON ..	shire.
1886 Mar. 16.		{ 2 Queen Square Place, S.W. (West-
1867 Feb. 5.	HUTCHINS, GEORGE ALBERT ..	minster 33.)
1873 Dec. 23.		Clive House, Welshpool, North
1897 Jan. 12.	HUTCHINSON, CHRISTOPHER	Wales.
	CLARKE .. .. ..	8 Cleve Road, West Hampstead,
1881 Mar. 1.	HUTCHINSON, JOHN HOUSEMAN	N.W.
1886 Jan. 12.	HUTCHINSON, WILLIAM ..	Nikosia, Cyprus.
1891 Nov. 9.	M.C.E. (Melbourne) ..	Ry. Construction Dept., Sydney,
1862 Mar. 4.	HUTTON, DARNTON, M.A. ( <i>Dubl.</i> )	{ N.S.W.
		{ 14 Cumberland Terrace, Regent's
		Park, N.W.
1902 Feb. 4.	IMPETT, JOHN JAMES .. .. ..	1 Calle Manco Capac, Callao, Peru.
1897 Apr. 6.	INGHAM, WILLIAM PORRITT ..	{ York City Bank Chambers, Middle-
m { 1876 Dec. 5.	*INGLIS, JAMES CHARLES,	brough.
1884 Mar. 18.	(Member of Council.) .. ..	G. W. Ry., Paddington, W.
1871 Jan. 10.	INGLIS, JOHN WILLIAM,	
1877 Nov. 27.	F.R.S.E. .. .. ..	Kenwood, Liberton, Midlothian.
1875 Feb. 2.	IRWIN, HENRY, C.I.E. .. .. ..	P.W.D., Paemarhi, India.
1879 Apr. 29.		
1882 Jan. 10.	*ISHIGURO, ISOJI .. .. ..	Admiralty, Tokio, Japan.
1900 Apr. 10.		
1891 Dec. 1.	IVATT, HENRY ALFRED .. ..	G. N. Ry., Doncaster.
1900 Dec. 4.	IVENS, JOHN HENRY ANDERSON	P.W.D., Meerut, N.W.P., India.
1876 May 2.	IZAT, ALEXANDER, C.I.E. ..	Springfield, Dollar, N.B.
1881 Apr. 5.		
1888 Apr. 10.	JACKSON, CHARLES LOXTON ..	Moorfield, Bolton. (34.)
1891 Jan. 20.		
1874 Apr. 14.	JACKSON, EDWARD .. .. ..	Port Engineer, Karachi, India.
1879 Dec. 23.	JACKSON, SAMUEL, C.I.E. ..	
1882 Apr. 4.	JACKSON, SAMUEL, C.I.E. ..	23 Calverley Park, Tunbridge Wells.
1881 Mar. 1.	JACOB, AUGUSTUS HAMILTON,	St. Edmundsbury, Alumhurst Road,
	M.A., M.A.I. ( <i>Dubl.</i> ) .. ..	Bournemouth.
1891 Dec. 1.	JACOB, LIONEL MONTAGUE ..	H. S. King & Co., 65 Cornhill, E.C.
1885 Dec. 1.	JACOBS, CHARLES MATTATHIAS	78 Gracechurch Street, E.C.
1884 Dec. 2.	*JACOMB-HOOD, JOHN WYKEHAM	L. & S. W. Ry., Waterloo, S.E.
1891 Jan. 27.		

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1890 Apr. 1.	JAFFREY, WILLIAM .. .. ..	3 Victoria St., S.W. (Kahort, London.)
1887 Dec. 6.)	JAMES, CHARLES CARKEET ..	Municipality, Bombay.
1899 Jan. 24.)		
1879 May 6.)	JAMES, HENRY ALEXANDER ..	{Manor House Farm, Exhall, Long-
1887 Nov. 22.)		ford, Coventry.
† 1868 Dec. 1.	JAMES, JOHN WILLIAM .. ..	Dr. P. M. Wood, Ashfield, N.S.W.
1894 Dec. 4.	JAMESON, ARTHUR SAMPSON ..	{Junior Constitutional Club, Piccadilly, W.
t † {1878 Jan. 15.)	JAMESON, Professor ANDREW, F.R.S.E. .. .. ..	16 Rosslyn Terrace, Kelvinside, Glasgow.
1887 Feb. 8.)		
1888 Dec. 4.)	JAQUES, WILLIAM HENRY ..	Little Boar's Head, New Hampshire,
1893 Mar. 7.)	Captain U.S.N. ret. .. ..	U.S.
1882 Mar. 7.)	JARDINE, ALEXANDER WILLIAM ..	{G. V. Hellicar, Solicitor, Brisbane, Queensland.
1884 Oct. 14.)		
1872 Feb. 6.)	JEBB, GEORGE ROBERT .. ..	Fairyfield, Great Barr, Birmingham.
1893 Dec. 5.)	JELLETT, HENRY HOLMES ..	Seoni, Chappara, Central Provinces,
1900 Jan. 30.)	B.A.I. (Dubl.) .. .. ..	India.
TS t † {1892 Dec. 6.)	JENKIN, BERNARD MAXWELL ..	17 Victoria Street, S.W.
1901 Feb. 19.)		
1860 Apr. 3.)	JENKIN, SILVANUS WILLIAM ..	Liskeard, Cornwall. [St. Within, E.C.
1895 Dec. 3.)	JENNINGS, JAMES HENREN ..	Wernher, Beit & Co., 120 Bishopsgate
1884 Mar. 4.)	JENNINGS, WILLIAM TINDAL ..	{Molson's Bank Building, Toronto, Canada.
1891 May 12.)		
1893 Dec. 5.)	JERVIS, JAMES THOMAS .. ..	28 Victoria Street, S.W.
† {1885 Dec. 1.)	JOBSON, CHRISTOPHER .. ..	{Weld Club, Perth, Western Australia.
1894 Mar. 6.)		
† {1881 Mar. 1.)	*JOHNSON, FRANCIS ROBERT ..	Box 54, Maritzburg, Natal.
1894 Oct. 16.)		
1887 Dec. 6.)	*JOHNSON, HENRY ARTHUR ..	15 The Exchange, Bradford.
1899 Feb. 28.)		
1862 May 20.)	JOHNSON, RICHARD .. ..	58 Coolhurst Road, Crouch End, N.
† 1867 Dec. 3.)	JOHNSON, SAMUEL WAITE ..	Midland Railway, Derby.
1898 Feb. 1.)	JOHNSON, TOM RICHARD ..	{G. N. Ry., Engineer's Dept., King's Cross, N.
1885 Mar. 3.)	JOHNSON, WALTER CLAUDE ..	The Dignaries, Westcombe Pk., S.E.
1883 Feb. 6.)	JOHNSTON, ANDREW ..	{5 Westminster Palace Gardens, Victoria Street, S.W.
1886 May 18.)		
1900 Dec. 4.)	JOHNSTON, HENRY JOSEPH ..	P.W.D., Jhelum Canal, Rasul, Punjab.
1888 Apr. 10.)	*JOHNSTON, JAMES .. ..	Waterworks, Bond Street, Brighton.
1898 Nov. 29.)		
† 1867 Mar. 5.)	JOHNSTON, ROBERT EDWARD ..	Joint Railways Office, Birkenhead.
1870 Mar. 1.)		
1877 Nov. 27.)	JOLL, HENRY .. .. ..	4 Osborne Place, Plymouth.
1878 Feb. 5.)		
1893 May 16.)	JONES, ARTHUR DANIEL ..	3 Border Crescent, Sydenham, S.E.
1875 Feb. 2.)		
1891 Nov. 3.)	JONES, CHARLES .. ..	{The Lodge, Culmington Road, Ealing, W.
TWSt † {1869 May 27.)	JONES, HARRY EDWARD ..	Commercial Gas Co., Stepney, E.
1875 Apr. 11.)		
1891 Dec. 1.)	*JONES, HARRY HERBERT ..	{Wandsworth and Putney Gas Co., North Street, Wandsworth, S.W.
1902 Mar. 4.)		
1876 Feb. 1.)	JONES, ISAAC MATTHEWS ..	City Surveyor, Chester.
1897 Dec. 7.)		
† {1875 Feb. 2.)	JONES, JOHN ALFRED, F.R.S.E. ..	Sanitary Engineer to Govt., Madras.
1881 Nov. 15.)		
1886 Dec. 7.)	JONES, PEYTON .. .. ..	{The Hermitage, Mona Place, South Yarra, Melbourne, Victoria.
1886 Jan. 12.)	JONES, ROBERT EDWARD ..	P.W.D., Muswellbrook, N.S.W.
1893 Nov. 7.)		
1899 Dec. 5.)	JONES, THOMAS .. .. ..	1 Prince's St., Westminster, S.W.
1892 Dec. 6.)	JOYCE, ALFRED .. .. ..	Binny & Co., Madras.
† {1885 Dec. 1.)	JOYCE, FREDERICK TALBOT ..	{A. E. Joyce, Earl Street, Mullingar, Ireland.
1892 Jan. 26.)		

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## MEMBERS.

- 1887 Dec. 6. JOYNER, ROBERT BATSON, C.I.E. Lake View, Pittville, Cheltenham.  
 1891 Mar. 3. JUDSON, WILLIAM PIERSON .. { Deputy State Engineer of New York, Albany, N.Y., U.S.

T t	†{1885 Jan. 13. 1891 Jan. 13.)	KAPP, GIBERT .. .. ..	Ulmenallee 26, Westend, Berlin.
†	{1873 Dec. 2. 1878 Dec. 3.)	KEATING, EDWARD HENRY ..	Toronto Ry., Toronto, Ont., Canada.
	{1881 Jan. 8. 1887 Oct. 25.)	KEATING, HENRY, M.A. ( <i>Dubl.</i> )	Tralee, Ireland.
	1885 Dec. 1.	KEEFER, GEORGE ALEXANDER	{ D.P.W., New Westminster, British Columbia.
	1877 Dec. 4.	{ KEEFER, THOMAS COLTRIN, C.M.G. .. .. .. ..	D.P.W., Ottawa, Canada.
†	{1883 Dec. 4. 1888 Dec. 18.)	KEELE, THOMAS WILLIAM ..	{ Harbours & Rivers Branch, P.W.D., Sydney, N.S.W.
†	1873 May 20.	KEELING, GEORGE WILLIAM ..	10 Lansdown Terrace, Cheltenham.
	1883 May 1.)	*KEENE, PERCY EDWARD ..	Midland Ry., Bhilsa, India.
	1894 Feb. 20.)		
	1902 Jan. 14.	KELLEY, HOWARD GEORGE ..	{ 1,124 Guaranty Building, Minne- apolis, Minn., U.S.A.
†	1890 Dec. 2.	KELLY, WILLIAM REDFERN ..	Dalriada, Malone Park, Belfast.
T t F	† 1879 May 27.	{ KENNEDY, ALEXANDER, BLACKIE, WILLIAM, LL.D. ( <i>Glas.</i> ), F.R.S. ( <i>Member of Council.</i> ) .. .. ..	17 Victoria Street, S.W. (Kinematic, London.)
	1875 Dec. 7.	KENNEDY, JOHN .. .. ..	Montreal, Canada.
t	† 1880 Dec. 7.)	KENNEDY, NEIL .. .. ..	Saltillo, Mexico.
†	{1892 Apr. 5. 1896 Nov. 24.)	KENSINGTON, FREDERICK ..	2 Cophall Buildings, E.C.
†	{1879 Apr. 1. 1888 May 15.)	KER, THOMAS .. .. ..	Airlie, Elmstead Rd., Bexhill-on-Sea.
†	1895 Feb. 5.	KERNOT, MAURICE EDWIN ..	Ry. Dept., Melbourne, Victoria.
	1901 Feb. 5.	{ KERNOT, WILLIAM CHARLES, M.A., M.C.E. ( <i>Melb.</i> ) .. ..	University, Melbourne, Victoria.
m	† 1887 May 24.)	*KIDD, WILLIAM .. .. ..	{ c.o. Punchard & Co., 151 Cannon Street, E.C.
	1900 Mar. 6.)		
	1871 May 2.)	KIERZKOWSKI-STEUART, CHARLES	7 Collingham Road, Cromwell Road,
	1877 Nov. 27.)	FERDINAND DE .. .. ..	S.W.
	1863 Dec. 1.)	KILGOUR, GEORGE .. .. ..	Box 813, Cape Town, C.C.
	1877 Nov. 27.)		
	1859 Dec. 6.)	KIMBER, JAMES .. .. ..	{ 18 Lymington Rd., West End Lane, West Hampstead, N.W.
	1875 Nov. 9.)		
	1870 Apr. 5.)	KINCAID, JOSEPH, M.A. ( <i>Dubl.</i> )	{ 29 Great George Street, S.W. (Kin- caid, London. Westminster 11.)
	1879 Mar. 25.)		
t	† 1878 Feb. 5.)	KINDER, CLAUDE WILLIAM, C.M.G.	c.o. H.B.M. Consul, Tientsin, China.
	1889 Dec. 10.)		
	1889 Apr. 2.	KING, MAURICE .. .. ..	
	1874 May 5.	KING, WILLIAM .. .. ..	Gas Office, Duke Street, Liverpool.
	1873 Mar. 4.)	*KING, WILLIAM HENRY ..	{ St. Heliers, Sydney Road, Walton- on-Thames.
	1889 Nov. 15.)		
T m	† 1858 Feb. 2.)	KINGSBURY, WILLIAM JOSEPH..	{ 61 Burton Court, Lower Sloane Street, S.W.
	1863 Dec. 8.)		
	1886 Jan. 12.)	KINGSTON, WILLIAM,	{ R.E. Office, Tidworth, Andover.
	1902 Mar. 11.)	B.E. ( <i>Queen's</i> ) .. .. ..	
	1883 May 29.	KINSEY, WILLIAM BARNS ..	{ Batstones P.O., Lower Umyimkulu, Natal.
	1892 Mar. 1.	KIRBY, CHARLES ANTHONY ..	G. N. Ry., Boston. [Gate, W.
	1875 May 4.	KIRBY, FREDERICK HALL ..	19 Devonshire Terrace, Lancaster

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## MEMBERS.

T t ♫	1865 May 23.	KIRKHAM, THOMAS NESHAM ..	C. R. Wade-Gerey, St. Neots, Hunts.
	1892 Mar. 1.)	KIRKLAND, THOMAS .. ..	17 Victoria Street, S.W.
	1896 May 12.)	KIRTLEY, WILLIAM .. ..	31 Larkhall Rise, Clapham, S.W.
	1875 Mar. 2.)	KITCHINGMAN, DAWSON ..	Waterworks, Cray, Brecon.
	1888 Mar. 6.)	*KITCHINGMAN, DAWSON ..	
	1901 Dee. 11.)		
	1876 Dec. 5.)	{ KITSON, Sir JAMES, Bart., M.P. .. .. .. ..	Monk Bridge Ironworks, Leeds. (73.)
	1866 Mar. 6.)	KNOWLES, GEORGE .. .. ..	Billiter Square Buildings, E.C.
	1877 June 26.)	KNOX, EDWARD BALDWIN ..	{ 12 Commercial Union Buildings, St. George's Street, Cape Town, C.C.
	1893 Mar. 28.)	JOHN .. .. .. ..	Société Cockerill, Seraing, Belgium.
t ♫	1879 Dec. 2.)	KRAFT, JOHN .. .. ..	{ Norfolk House, Norfolk Street, Strand, W.C.
	1894 Feb. 6.)	KRAMER, ARNOLD .. .. ..	
	1880 Apr. 6.)	{ KÜHL, CHARLES HENRY ..	European Commission of the
	{ 1873 May 6.)	{ LEOPOLD .. .. .. ..	Danube, Sulina.
	{ 1876 Apr. 25.)	{ KYLE, JOHN .. .. .. ..	New Harbour Works, Dover.
	1887 Mar. 1.)	*KYLE, JOHN, Jun. .. .. ..	Harbour Works, Colombo, Ceylon.
	1894 Nov. 6.)		

1893 Dec. 5.)	LACEY, ERNEST MATTHEW ..	2 Queen Anne's Gate, S.W.
	1899 Apr. 18.)	
	1885 May 19.)	LACEY, FREDERICK WILLIAM ..
	1897 Feb. 16.)	Borough Engineer, Bournemouth.
	1885 Dec. 1.)	LAFFAN, GEORGE BASTABLE ..
	1900 Apr. 3.)	{ Borough Engineer, Maritzburg, Natal.
	1894 Mar. 6.)	LAING, ANDREW .. .. ..
	1886 Mar. 2.)	{ LAKE, HARRY HERBERT ..
	1902 Apr. 22.)	P.W.D., Gwalior, Central India.
	1885 Dee. 1.)	
1885 Oct. 22.)	LANE, ALEXANDER MAURICE ..	{ Emscote, Claremont Road, St. Margaret's, Twickenham.
	1876 May 30.)	LANGDON, WILLIAM .. .. ..
	1883 Nov. 3.)	Tower Hill, Looe, Cornwall.
	1870 Jan. 11.)	LANGLEY, ALFRED ANDREW ..
	1881 May 31.)	{ 33 Chester Terrace, Regent's Park, N.W.
	1885 Nov. 24.)	{ Sheen House, Walmer. (Lapage, Walmer.)
	1874 Feb. 3.)	{ *LARGE, PHILIP TOWNSHEND ..
	1885 Nov. 10.)	Carnaeway Rectory, Kilcullen, co. Kildare.
	1878 Mar. 5.)	SOMERVILLE .. .. .. ..
	1894 May 22.)	LARMINIE, JOHN CHARLES ..
T t ♫	1877 May 1.)	Rahan, Bray, co. Wicklow.
	1882 Apr. 4.)	LATHAM, ALBERT .. .. ..
	1865 May 2.)	Town Hall, Margate.
	1868 May 19.)	LATHAM, BALDWIN .. .. ..
	1859 Dec. 6.)	{ Parliament Mansions, Victoria
	1866 Dec. 17.)	Street, S.W.
	1902 Feb. 4.)	{ LATHAM, JOHN HERBERT, M.A. (Cantab.) .. .. ..
	1884 May 6.)	Ngaruawahia, Auckland, N.Z.
	1888 Apr. 10.)	{ LA TOUCHE, JAMES NORMAN
	1899 Feb. 21.)	Wistanstow, Craven Arms, Salop.
	1878 May 7.)	{ DIGUES .. .. .. ..
	1880 Feb. 24.)	G.W. Ry., Bristol.
	1880 Dec. 7.)	{ LAW, HERBERT HENRY ..
	1884 Dec. 16.)	21 Pembroke Road, Kensington, W.
	1886 Jan. 12.)	{ LAWDER, ARTHUR WILLIAM ..
	1899 Jan. 10.)	Leaside, Kingswood Road, Upper Norwood, S.E.
		{ LAWDER, JAMES ORMSBY ..
		Lawderdale, Ballinamore, co. Leitrim.
		9 Bridge Street, Westminster, S.W.

Date of Election and of Transfer.	MEMBERS.
1867 Feb. 5.	LAWFORD, WILLIAM .. .. 40 St. Helen's Road, Hastings.
t $\ddagger$ { 1870 Mar. 1. 1877 May 29.}	LAWS, WILLIAM GEORGE .. .. 40 Grey Street, Newcastle-on-Tyne.
1901 Feb. 5.	LAWSON, ALLAN JOHN .. .. { Artillery Mansions, Victoria Street, S.W.
1868 Mar. 3.	LAYBOURNE, RICHARD .. .. The Firs, Malpas, Newport, Mon.
1893 May 2.	LEA, HENRY .. .. 38 Bennett's Hill, Birmingham.
1873 Dec. 2. 1877 Nov. 13.	LEAN, CHARLES .. .. 29 Broughton Road, Ealing Dean, W.
1885 Feb. 3. 1892 Feb. 16.	LEAN, JOEL .. .. Castle Hill, Duffield, Derby.
1886 Dec. 7.	LEAVITT, ERASMIUS DARWIN, Jun. Cambridgeport, Mass., U.S.
1879 Feb. 4. 1885 Feb. 3.	LEE, JOSEPH JOHN .. .. { L. & N. W. Ry., Engineer's Office, Stafford.
m { 1886 Dec. 7. 1896 Nov. 24.	*LEGG, WILLIAM ANDREW .. .. { Thomas Stewart, 6 St. George's Chambers, Cape Town, C.C.
1872 Dec. 3. 1879 May 27.	LEGGATT, WILLIAM BENJAMIN 27 Ladbroke Grove, W.
1879 Feb. 4. 1889 Feb. 5.	LEIGH, ROBERT KENNAWAY .. Hong Kong.
1898 Dec. 6.	LEITCH, DONALD CALDER .. { Municipal Engineer, Johannesburg, Transvaal.
$\ddagger$ 1885 Apr. 14.	*LE LIEVRE, CHARLES .. .. c.o. The Agent, E.I. Ry., Calcutta.
1883 Jan. 9.	LE MESURIER, WILLIAM HENRY 36 Slatey Road, Birkenhead.
1865 May 23. 1877 Jan. 30.	LEMON, JAMES .. .. Lansdowne House, Southampton.
1896 Apr. 14.	LE QUESNE, WILLIAM HENRY { c.o. Grindlay & Co., Parliament St., S.W.
T t $\ddagger$ { 1872 Jan. 9.	LESLIE, Sir BRADFORD, K.C.I.E. The Moat, Harrow.
WS $\ddagger$ { 1891 Dec. 1.	LESLIE, BRADFORD .. .. 7 The Sanetuary, Westminster, S.W.
1898 Feb. 15. 1890 Dec. 2.	LESLIE, MORICE .. .. { c.o. Watson & Co., 7 Waterloo Place, S.W.
1891 Mar. 3. 1901 Dec. 11.	LESLIE, ROBERT FLETCHER .. East Indian Ry., Cawnpore, India.
1885 Feb. 3.	LEWIS, GEORGE .. .. { Imperial Chambers, Albert Street, Derby.
1891 Jan. 13. 1900 Dec. 18.	*LEWIS, SIDNEY COOKE .. .. 67 Load Street, Bewdley.
1866 Feb. 6.	LEWIS, WILLIAM BOURNE .. 32 Lee Park, Blackheath, S.E.
1879 May 6. 1895 Jan. 22.	*LEWIS, WILLIAM CUTHBERT { Millwood House, Wrotham Heath, Sevenoaks.
1865 Mar. 7. 1869 Jan. 19.	LEWIS, Sir WILLIAM THOMAS, Bart. { The Mardy, Aberdare.
$\ddagger$ { 1892 Dec. 6. 1898 Mar. 15.	*LIDDLE, WILLIAM .. .. { Hodbarrow Sea Wall, Millom, Cum- berland.
1885 Dec. 1. 1902 Mar. 4.	*LIGHT, ERNEST EDWARD .. Ry. Dept., Perth, Western Australia.
m $\ddagger$ { 1881 Dec. 6.	LIGHTFOOT, THOMAS BELL .. { 35 Queen Victoria Street, E.C. (Separator, London.)
1890 Feb. 4.	LINDENTHAL, GUSTAV .. 45 Cedar Street, New York, U.S.
1891 Mar. 3.	LINDLEY, JOSEPH .. .. Aleja Ujazdowska 17, Warsaw.
1881 Feb. 1.	LINDLEY, ROBERT SEARLES .. Godstone Place, Godstone, Surrey.
1878 May 28.	LINDLEY, WILLIAM HEERLEIN Frankfurt-un-Main.
1880 Dec. 7. 1887 Feb. 22.	LINDSAY, CHARLES COXHEAD .. { 217 West George Street, Glasgow. (Civileng, Glasgow.)
1897 Dec. 7.	LINEHAM, WILFRID JAMES .. Jesmond, Leyland Road, Lee, S.E.
1882 Apr. 4.	LISBOA, JOAQUIM MIGUEL RIBEIRO Post Box 195, Rio do Janeiro.
1871 Mar. 7. 1880 Apr. 13.	LIST, GEORGE HENRY .. .. { Birmingham Corporation Water works, Bewdley.
1878 Feb. 5. 1887 Feb. 1.	*LIST, JOHN, Royal Naval Reserve { 3 St. John's Park, Blackheath, S.E.

Date of Election  
and of Transfer.

## MEMBERS.

†	{ 1887 Dec. 6. 1897 Nov. 30. }	LITSTER, DAVID MICHAEL ..	{ c.o. Grindlay & Co., Parliament St., S.W.	
			Shagbrook, Reigate.	
†	1872 Mar. 5.	LIVESEY, Sir GEORGE THOMAS ..	Broad Street Avenue, E.C.	
	1886 May 18. 1894 Jan. 23.	*LIVESEY, HARRY .. .. ..	(Hayward-Tyler & Co., 90 White-cross St., E.C.	
	1867 Dec. 3. 1878 Feb. 19.	LIVESEY, JAMES .. .. ..	Broad Street Avenue, E.C.	
T t †	1896 Feb. 4.	LLOYD, ROBERT SAMUEL ..	19 Finchley Road, N.W.	
	1854 Mar. 7. 1875 Jan. 12. 1886 May 11.	LLOYD, WILLIAM .. .. ..	Boro' Surveyor, Hanley, Staffs.	
†	{ 1889 Jan. 8. 1900 April. 10. }	LOBNITZ, FREDERIC .. .. ..	Clarence House, Renfrew.	
	1877 Jan. 16. 1889 Apr. 9.	*LOCKHART, WILLIAM STRONACH ..	67 Granville Park, Blackheath, S.E.	
	1859 May 24. 1874 May 9.	LOCKWOOD, PHILIP CAUSTON ..	1 Gloucester Place, Brighton.	
	1888 Apr. 10. 1898 Feb. 8.	LOCKYER, NORMAN JOSEPH ..	{ N.E. Ry., Loco. Works, Gateshead-on-Tyne.	
	1899 Dec. 5.	LONGBOTHAM, JONATHAN ..		Sharow House, Sheffield.
t †	1887 May 24.	LONGDEN, JOHN ALFRED ..	{ Stanton-by-Dale, Nottingham. (Longden, Stanton, Alfreton.)	
	1894 Dec. 4. 1902 Feb. 11.	LONGFIELD, RICHARD WILLIAM FREDERICK, B.A.I. (Dubl.) ..		County Surveyor, Bandon, co. Cork.
	1874 Mar. 3. 1880 May 11.	LONGRIDGE, MICHAEL, M.A. (Cantab.) .. .. ..	{ Linkvretten, Ashley Road, Peel Causeway, Cheshire.	
t †	{ 1883 May 29. 1889 Nov. 5.	LOPES, GEORGE, B.A. (Cantab.) ..		L.B. & S.C.Ry., Brighton.
	1889 Jan. 8. 1899 Dec. 12.	*LOVEGROVE, EDWIN JAMES ..	{ Hornsey District Council, Southwood Lane, N.	
	1888 Feb. 7. 1902 Apr. 22.	*LOW, PERCY ARCHIBALD ..		Bridport House, Rugby.
T t m †	{ 1885 Mar. 3. 1899 Mar. 28.	*LOWCOCK, SIDNEY RICHARD ..	{ Temple Courts, Temple Row, Birmingham.	
	1867 Mar. 5. 1896 Feb. 4.	LOWE, CHARLES HARLOWE ..		30 Somerset St., Portman Square, W.
†	1877 Dec. 4.	LOWE, JOHN HENRY ..	{ 23 Alderbrook Road, Balham, S.W.	
	1885 Dec. 1.	{ LOWE, JOHN LANDOR, B.Sc. (Lond.) .. .. ..		Midland Ry., Derby.
	1891 Jan. 13.	LOWE, LOUIS JOHN MCKENZIE ..	{ Casilla 655, Buenos Aires.	
	1884 Feb. 5. 1895 Mar. 5.	LUCAS, WILLIAM OWEN ..		Central Argentine Ry., Rosario de Santa Fé, Argentina.
	1883 Feb. 6.	LUFF, JOHN MIDDLEMISS ..	{ 63 Homewood Avenue, Toronto, Canada.	
	1901 Feb. 5.	LUIGGI, LUIGI .. .. ..		22 Esmeralda, Buenos Aires.
	1880 Dec. 7.	LUKE, ARTHUR GEORGE ..	{ 63 Homewood Avenue, Toronto, Canada.	Wye Lodge, Wimbledon Park, S.W.
	1885 Mar. 3.	LUMSDEN, HUGH DAVID ..		Rhymney Railway, Cardiff.
	1876 Mar. 7.	LUNDIE, CORNELIUS .. .. ..	{ 6 De Grey Road, Leeds. (Arnold Lupton, Leeds. 330.)	
	1876 Feb. 1. 1879 Mar. 4.	LUNDIE, GEORGE ARCHIBALD ..		Box 5228, Johannesburg, Transvaal.
	1893 Jan. 10. 1902 Apr. 15.	LUNN, WILLIAM .. .. ..	Drainage Works, Bridgwater.	
	1878 May 7.	LUPTON, Professor ARNOLD ..	{ F. C. Nord Este, Argentina.	
	1892 May 3. 1900 Feb. 13.	*LYELL, DAVID .. .. ..		Ottawa, Canada.
	1887 Jan. 11. 1900 Dec. 19.	LYELL, ROBERT, B.Sc. (Edin.) ..	{ Fairseat, Sevenoaks.	
	1881 Dec. 6.	LYNCH, FRANCIS JOSEPH ..		
	1877 Dec. 4. 1882 May 23.	LYNDE, FRANCIS GASCOIGNE ..		

Date of Election  
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## MEMBERS.

1875 May 11.)	LYNDE, JAMES HENRY .. ..	{ Buckland, Ashton-on-Mersey, Man-
1877 Nov. 27.)		chester.
1884 Dec. 2.)	LYNN, GRAHAM RIGBY .. ..	{ Chief Engineer's Office, Baroda,
1890 May 20.)		Bombay.
† 1882 Dec. 5. { LYSTER, ANTHONY GEORGE.	(Member of Council.)	Dockyard, Liverpool.
m † { 1882 Feb. 7.) *MACALISTER, DANIEL .. ..	{ Water Trust, Municipal Buildings,	
{ 1891 Sept. 29.)		Greenock, N.B.
† { 1881 May 31.) MACALISTER, ROBERT .. ..	{ c.o. H. S. King & Co., 45 Pall Mall,	
{ 1896 May 12.)		S.W.
1879 Feb. 4.)	MACASSEY, LUKE LIVINGSTON	38 Parliament Street, S.W.
1886 Feb. 9.)		
1889 Dec. 3.) *MACAULAY, FREDERIC WILLIAM	{ Woodland Lodge, Northfield, Bir-	
1900 Dec. 18.)		mingham.
1873 May 6.) MACBRIDE, ROBERT KNOX,		
1879 Nov. 4.) C.M.G. .. .. .. ..	{ Junior Carlton Club, Pall Mall, S.W.	
1894 Dec. 4.) MACCABE, WILLIAM BERNARD		
1902 Jan. 28.)		Park Cottage, Kilgobbin, co. Dublin.
1864 Apr. 5.) McCLEAN, FRANK,	{ Norfolk House, Norfolk Street,	
1867 Dec. 10.) M.A. (Cantab.), F.R.S. ..	Strand. W.C.	
1867 Dee. 3. McCLELLAND, WALTER SIMPSON	The White House, Sevenoaks.	
1902 Mar. 4. *McCLURE, HUGH HANNAY ..	{ John Aird & Co., Avonmouth Docks,	
1891 May 5. McCORMICK, JOHN MACNEILL	Bristol.	
1882 Feb. 7.) McCUDDEN, EDMUND GERALD	P.W.D., Hobart, Tasmania.	
1886 Nov. 2.) JAMES .. .. .. ..	{ King, King & Co., Bombay.	
1889 Mar. 5.) McCULLOUGH, FREDERICK		
1896 May 12.) WILLIAM .. .. .. ..	{ Waterworks Engineer, Belfast.	
1891 Apr. 7. McDONALD, ALEXANDER BEITH	City Engineer, Glasgow.	
1874 Mar. 3. McDONALD, ARTHUR HARMAN	1 Osborne Road, Clifton, Bristol.	
1892 May 24.) *McDONALD, GEORGE CHAMPION	Midland Ry., Bugsworth, near	
1899 Mar. 28.)	Stockport.	
1881 Dec. 6.) *McDONALD, JOHN ALEXANDER	{ c.o. McDonald, Searles & Co., 4 Chapel	
1888 Feb. 28.)	Street, Cripplegate, E.C.	
1878 Mar. 5. { McDONALD, JOHN ALLEN ..	{ Eng.'s Office, Midland Ry., Derby.	
{ Member of Council)	{ (McDonald, Derby.)	
t † 1872 Feb. 6. { McDONNELL, ALEXANDER,	Rydens, Hersham Road, Walton-on-	
{ M.A. (Dubl.) .. .. .. ..	Thames.	
1875 Feb. 2.) McDougall, NIEL .. .. ..	{ Guildhall Chambers, Lloyd Street,	
1881 Mar. 15.)	Manchester.	
1879 Dec. 2.) *MACFARLANE, DONALD .. ..	{ H.M. Naval Yard, Simons Town,	
1900 Dec. 18.)	Cape Colony.	
1879 Apr. 1. McGREGOR, JOSIAH .. .. ..	{ c.o. Mrs. McGregor, 37 Harold	
1896 Dee. 1. McHUTCHIN, WILLIAM .. ..	Road, Upper Norwood, S.E.	
1867 Dee. 3. MACINTYRE, JOHN STEVENSON	United Service Club, Bangalore, India.	
1890 Feb. 4.) MACKENZIE, ARCHIBALD	14 Victoria Street, S.W.	
1897 Nov. 20.) THOMAS .. .. .. ..	{ c.o. A. Fletcher & Co., 2 St. Helen's	
T t † { 1875 May 4.) MACKENZIE, JOHN BOWER	Place, E.C.	
{ 1878 Apr. 30.)	{ Australian Smelting Co., 47 Queen	
1866 Jan. 9.) McKERROW, ALEXANDER	Street, Melbourne, Victoria.	
1871 Dec. 5.)	{ 17 Victoria Street, S.W. (West-	
1859 Mar. 1.) McKIE, HUGH UNSWORTH	minster 505.)	
1885 Dec. 1.)	Riverdale, Ludlow.	
1882 Dec. 5.) McKIE, ISAAC SHEPHERD	Hazeldene, Park Rd., Sittingbourne.	
1899 Dec. 12.)		
1885 Dec. 1.) McKIE, JAMES .. .. ..	Birmingham Waterworks, Ludlow.	
1890 Feb. 7.)		

Date of Election  
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## MEMBERS.

1880 Jan. 13.	McKINNEY, HUGH GIFFEN ..	The Exchange, Sydney, N.S.W.
1885 Feb. 24.		
1870 May 24.	MACKINNON, MATTHIE CHARLES ..	Hatton, Torquay.
1893 Nov. 7.		
1859 May 24.	MCLANDSBOROUGH, WILLIAM ..	Selsley Lawn, Cheltenham.
1878 Apr. 30.		
1888 Dec. 4.	*MACLAREN, JAMES WADDELL ..	Chartered Bank Buildings, Singapore.
1898 Mar. 22.	BOYD .. .. .. ..	S.S.
† 1876 May 2.	MCCLAREN, JOHN .. .. ..	{ Midland Engine Works, Hunslet, Leeds. (McLaren, Leeds.)
1892 Nov. 8.		
1879 May 6.	MC LAUGHLIN, FREDERICK JAMES ..	8 Old Park Avenue, Balham, S.W.
1887 May 17.		
1894 Apr. 3.	{ MACLAY, WILLIAM WALTER, M.A. (New York) ..	Box 512, Glens Falls, New York, U.S.A.
1883 Dec. 4.	*MACLEAN, FRANCIS WILLIAM ..	Railway Dept., Dunedin, N.Z.
1897 Mar. 15.		
1878 May 28.	{ MACLEOD, HENRY AUGUSTINE, FITZGERALD ..	340 Cooper Street, Ottawa, Canada.
1884 Dec. 2.	MACPHERSON, DUNCAN ..	Canadian Pacific Ry., Montreal.
1891 May 5.		
1897 Dec. 7.	MACTEAR, JAMES .. .. ..	28 Victoria Street, S.W.
1870 Dec. 6.		{ e.o. Parr's Bank, 9 St. Martin's Place, W.C.
1878 Feb. 19.	MADELEY, JAMES CHATBURN ..	
† 1899 Dec. 5.	MAGINNIS, ARTHUR JOHN ..	28 Chapel Street, Liverpool.
1889 Feb. 5.	MAIR, HUGH .. .. ..	Vestry Hall, Hanmersmith, W.
1898 Dec. 20.		
W t † 1873 May 20.	MAIR-RUMLEY, JOHN GEORGE ..	The Hammonds, Udimore, Sussex.
1879 Dec. 2.	MAIS, HENRY COATHUPE ..	Prell's Buildings, Melbourne, Victoria.
1886 Dec. 7.	MALCOLM, BOWMAN .. ..	Northern Counties Ry., Belfast.
1882 Mar. 7.	*MALET, ALAN ARTHUR GREEN ..	Local Government Board, White-
1901 Dec. 11.	VILLE .. .. .. ..	hall, S.W.
† 1863 May 5.	MALLET, ROBERT TREFUSIS ..	58 Cornwall Gardens, S.W.
1876 Dec. 5.		
1889 Dec. 3.	MALTBY, THOMAS CRICHTON ..	C.J. Deck, Trafalgar St., Nelson, N.Z.
1882 Dec. 5.	MAMMATT, JOHN EDWARD ..	1 Albion Place, Leeds.
1883 Dec. 4.	{ MANCE, Sir HENRY CHRIS- TOPHER, C.I.E. ..	32 Earl's Court Sqnare, S.W.
1870 May 24.		{ Broad Sanctuary Chambers, West-
1893 Jan. 17.	MANISTY, EDWARD .. ..	minster, S.W.
t † 1864 Dec. 6.	MANN, GODFREY OATES ..	{ Hollington Park, St. Leonards-on-Sea.
t † 1888 Mar. 6.	MANN, ISAAC JOHN .. ..	{ Eng's Office, Fishguard Bay, South Wales.
1876 May 2.	MANNERING, HORACE JOHN ..	30 Garlies Road, Forest Hill, S.E.
1897 Feb. 23.		
1870 May 24.	MANNERS, CHARLES ROBERT ..	12 Lombard Street, Inverness.
1887 Nov. 8.		
1864 Dec. 6.	MANNING, JOHN RICHARDS ..	110 London Road, Forest Hill, S.E.
1887 May 3.	MANOU, JOSEPH LATIF, Bey ..	Cairo.
1889 Dec. 3.	MANSELL, ALFRED JOHN ..	{ 26 Rua Tavares Bastos, Rio do Janeiro.
1893 Dec. 5.	MANSSELL, WALTER .. ..	49 Ennerdale Road, Richmond, S.W.
1891 May 5.	*MANSERGH, ERNEST LAWSON ..	5 Victoria Street, S.W.
1900 Mar. 27.		
T t † { 1859 Apr. 5.	{ MANSERGH, JAMES, F.R.S. (Past-President. Member of Council.)	5 Victoria Street, S.W. (Survey, London.)
1873 Dec. 9.		
1891 Dec. 1.	*MANTON, ARTHUR WOODROFFE ..	G.W. Ry., Old Sodbury, Glos.
1899 Apr. 11.	B.Sc. (Birmingham) .. ..	
† 1881 Dec. 6.	MARCHANT, FREDERIC WILLIAM ..	Box 74, Timaru, New Zealand.
1892 Nov. 29.		
1889 May 21.	MARCHBANKS, JAMES .. ..	{ Wellington and Manawatu Ry., Wellington, N.Z.
† 1901 Jan. 15.		

Date of Election  
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## MEMBERS.

	1854 Mar. 7.	MARCOARTU, H. E. <i>Don Ar-</i> TURO DE .. .. .. ..	Senate, Madrid.
	1892 Dec. 6.	MARLEY, JOHN WILLIAM ..	Thornfield, Darlington.
m	1883 Mar. 6.)	*MARRIOTT, WILLIAM ..	{ M. & G. N. Rys., Melton Constable. (Marriott, Melton Constable.)
m	1891 Nov. 17.)	MARSH, CHARLES WILLIAM EARLE .. .. .. ..	Rockdale, Stow Park, Newport, Mon.
	1897 Dec. 7.	MARSH, CHARLES WILLIAM EARLE .. .. .. ..	Irrigation Dept., P.W.D., Agra, N.W.P., India.
	1877 May 29.)	*MARSH, HENRY, C.I.E. ..	34 Grosvenor Place, Bath.
	1890 Mar. 4.)	MARSH, THOMAS EDWARD MILLES	190 St. Helen's Road, Swansea.
	1862 Mar. 4.	MARSH, THOMAS EDWARD MILLES	{ Hawthorn's Works, Newcastle-on- Tyne.
	1891 Feb. 3.	MARSH, WILLIAM SUTCLIFFE ..	
	1866 Jan. 9.	MARSHALL, FRANCIS CARR ..	
†	1877 Feb. 6.)	MARSHALL, WILLIAM BAYLEY	Richmond Hill, Birmingham.
†	1887 Apr. 19.)	MARSHALL, WILLIAM BAYLEY	{ (Augustus, Birmingham. 3533.)
S t	1845 June 3.)	MARSHALL, WILLIAM PRIME ..	Richmond Hill, Birmingham.
†	1866 Apr. 10.)	MARSHALL, WILLIAM PRIME ..	{ (Augustus, Birmingham. 3533.)
	1857 Jan. 13.)	MARTEN, EDWARD BINDON ..	Pedmore, near Stourbridge.
	1877 May 8.)	MARTEN, EDWARD BINDON ..	
†	1883 May 1.)	MARTEN, EDWARD DIMMACK,	Lamberhurst, Bath Road, Cheltenham.
†	1893 May 2.)	M.A. ( <i>Cantab.</i> ) .. .. ..	
	1883 Feb. 6.	MARTIN, DANIEL FRANCIS ..	Thornbank, Kenley, Surrey.
	1875 May 4.	MARTIN, EDWARD JAMES ..	
	1881 Apr. 5.)	MARTIN, EDWARD PRITCHARD ( <i>Member of Council</i> ) .. ..	Guest, Keen & Co., Dowlais.
†	1897 Jan. 12.	MARTIN, EDWIN LEWIS ..	P. & O. Co., 122 Leadenhall St., E.C.
†	1888 Dec. 4.)	MARTIN, HENRY WILLIAM ..	Guest, Keen & Co., Dowlais.
	1859 Apr. 5.	MARTINEAU, WILLIAM ..	Brazilian St. Ry. Co., 213 Gresham
	1884 Dec. 2.)	*MARWOOD, HORACE RICHARD ..	{ House, Old Broad Street, E.C.
	1901 Dec. 17.)	MARWOOD, HORACE RICHARD ..	Govt. Rys., Port of Spain, Trinidad.
	1896 May 19.	MASCHWITZ, CARLOS .. ..	Laprida 352, Buenos Aires.
	1884 Apr. 1.	MASON, CLAYTON TURNER ..	Fremantle, W. Australia.
	1888 May 15.	MASSEY, WILLIAM HENRY ..	{ 25 Queen Anne's Gate, S.W. (Mas- sive, London.)
	1886 Feb. 2.	MATHIER, Sir WILLIAM, M.P. ...	Salford Ironworks, Manchester.
	1887 Feb. 1.)	MATHESON, DONALD ALEX-	Caledonian Ry., Buchanan Street
	1895 Dec. 3.)	ANDER .. .. .. ..	Station, Glasgow.
t	1876 May 2.	MATHESON, EWING .. .. ..	{ 13 Walbrook, E.C. (Matheson, Wal- brook.)
	1865 Mar. 7.)	MATHEWS, HENRY MONTAGU,	Clayton, Surbiton Hill Park.
	1877 Feb. 6.)	C.I.E. .. .. .. ..	
	1884 May 6.)	MATTHEWS, THOMAS .. ..	Trinity House, E.C.
	1870 Dec. 6.)	MATTHEWS, WILLIAM, C.M.G. (9	Victoria Street, S.W. (Penlee,
	1876 Dec. 5.)	( <i>Member of Council</i> ) .. ..	{ London. Westminster 47.)
t	1882 Apr. 4.)	MATTHEWS, WILLIAM .. ..	Waterworks Engineer, Southampton.
	1889 Apr. 30.)	"	
	1871 May 2.)	MAUDSLAY, WALTER HENRY ..	25 Hans Place, S.W.
	1877 Dec. 18.)	MAUDSLAY, WALTER HENRY ..	
	1895 Jan. 8.)	MAVOR, HENRY ALEXANDER ..	{ 3 Windsor Circus, Kelvinside,
	1899 Nov. 28.)	"	Glasgow.
	1896 Feb. 4.	MAW, WILLIAM HENRY .. ..	35 Bedford Street, Strand, W.C.
	1885 Dec. 1.)	MAWBURY, ENOCH GEORGE ..	Boro' Surveyor, Leicester.
	1898 Feb. 8.)	"	
m m	1873 Jan. 14.)	*MAXWELL, JOSEPH PRIME ..	Wellington, N.Z.
†	1883 May 29.)	*MAXWELL, JOSEPH PRIME ..	
	1886 Dec. 7.)	MAY, FRANCIS JOHN CHARLES	25 Compton Avenue, Brighton.
	1894 Mar. 6.)	"	
†	1876 May 2.)	MAYLOR, WILLIAM .. ..	{ Hanley Grange, Hanley Castle,
†	1879 Feb. 4.)	"	Worcestershire.
†	1894 Dec. 4.)	*MAYNE, CHARLES .. ..	Municipal Council, Shanghai.
†	1902 Mar. 25.)	"	

Date of Election  
and of Transfer.

## MEMBERS.

1879 Feb. 4.)	MEADE, THOMAS DE COURCY ..	Town Hall, Manchester.
1891 Mar. 30.)		
S t $\ddagger$ { 1887 Dec. 6.)	MEADE-KING, WILLIAM OLIVER ..	Local Govt. Board, Whitehall, S.W.
1890 Dec. 9.)	EVELYN .. .. .. ..	
1863 May 5.)	MEDEIROS, VIRIATO DE ..	Rio de Janeiro.
$\ddagger$ 1888 Feb. 7.)	MEIK, CHARLES SCOTT ..	16 Victoria Street, S.W. (Snowdon,
t $\ddagger$ { 1876 May 2.)	*MEIK, PATRICK WALTER ..	London.)
1880 Apr. 27.)		
1886 May 4.)	MELDRUM, JAMES .. .. ..	10 Victoria Street, S.W.
1897 Dec. 7.)		
1888 Feb. 7.)	MELHUSII, THOMAS WALTER ..	{ 23 Boulevard Militaire, Brussels.
1901 Dec. 17.)	WARREN .. .. .. ..	
1874 May 5.)	MELLISS, JOHN CHARLES ..	{ 264 Gresham House, Old Broad
1891 Nov. 17.)		Street, E.C.
1901 Apr. 23.)	MELLOR, MONTAGUE RAFFINGTON ..	{ Tehuantepec National Ry., Coatzacoalcos, Mexico.
1893 Mar. 7.)	MELVILLE, WILLIAM .. ..	St. Enoch Station, Glasgow.
1883 Dec. 4.)	MENEZES, CAMILLO MARIA DE ..	{ Señor D. Level, 42 Rua da Passagem, Rio de Janeiro.
1885 May 5.)	MÉRIC, LEOPOLD DOLLFUS DE ..	33 Boulevard Haussmann, Paris.
1888 Mar. 6.)	*MESSENT, PHILIP GLYNN ..	Port Trust, Bombay.
1896 Nov. 24.)		
1879 Dec. 2.)	MESTAYER, RICHARD LIRON ..	Lambton Quay, Wellington, N.Z.
1889 Jan. 29.)		
1896 Mar. 3.)	METCALF, WILLIAM .. .. ..	{ 707 Ferguson Block, Pittsburgh, U.S.
1885 Mar. 3.)	METCALFE, Sir CHARLES ..	5 Grand Parade Buildings, Cape
1897 Apr. 6.)	HERBERT THEOPHILUS, Bart. ..	Town, C.C.
1892 Dec. 6.)	METCALFE, HENRY HULBERT ..	{ 30 Palmerston Buildings, Auckland, N.Z.
1901 Dec. 11.)		
1875 Feb. 2.)	METHVEN, CATHCART WILLIAM ..	Harbour Works, Port Natal.
1882 Feb. 14.)	F.R.S.E. .. .. .. ..	
1878 Feb. 5.)	*MEYSEY - THOMPSON, ARTHUR ..	{ Hathorn, Davey & Co., Leeds.
1894 Dec. 4.)	HERBERT .. .. .. ..	(Hathorn, Leeds. 524.)
1874 Dec. 1.)		
1891 Dec. 8.)	MICHELE, VITALE DOMENICO DE ..	Higham Hall, Rochester.
1880 May 4.)	*MICHELL, THEOPHILUS .. ..	Trichinopoly, Madras.
1900 Jan. 30.)		
$\ddagger$ { 1870 Feb. 1.)	MIDDLETON, REGINALD EMPSON ..	{ 17 Victoria Street, S.W. (Appoint, London.)
1885 Dec. 1.)		
1863 Mar. 3.)	MIERS, FRANCIS CHARLES ..	Eden Cottage, Beckenham.
1896 Feb. 4.)	*MILES, HARRY POWELL ..	Midland Ry., Disley, Stockport.
1902 Apr. 22.)		
1876 Mar. 7.)	MILLER, HENRY .. .. ..	{ Bosmere House, Norwich Road, Ipswich.
1886 Feb. 9.)		
1892 Mar. 1.)	MILLER, HERBERT WOODVILLE ..	{ Electric Lighting Works, Kensington Court, W.
1899 Feb. 7.)		
1869 May 11.)	MILLER, THOMAS .. .. ..	Dock Commission and Harwich Harbour Conservancy Board, Ipswich.
1878 Mar. 21.)		
1885 Dec. 1.)	*MILLER, THOMAS LODWICK ..	{ 7 Tower Buildings North, Water Street, Liverpool.
1899 Dec. 12.)		
1901 Apr. 23.)	MILLS, FREDERICK .. .. ..	{ Ebbw Vale Steel, Iron and Coal Co., Ebbw Vale, Mon.
1898 Apr. 5.)	MILLS, GRANVILLE .. .. ..	Kingslee, Farndon, Chester.
1891 May 12.)	MILLS, MANSFIELD HENRY ..	Mansfield-Woodhouse, Notts.
$\ddagger$ 1862 Apr. 1.)	MILLS, WILLIAM HEMINGWAY ..	Nursey, Glenagarey, co. Dublin.
1877 Dec. 4.)		
1889 Nov. 5.)	*MILSOM, BOSWELL PARKINSON ..	Grindlay, Groom & Co., Bombay.
T t $\ddagger$ { 1899 Dec. 5.)	MILTON, JAMES TAYLER ..	2 White Lion Court, Cornhill, E.C.
1891 May 5.)	MIRRLIES, WILLIAM JULIUS ..	
1895 May 14.)	B.Sc. (Glas.) .. .. ..	Tongaat, Natal.

Date of Election and of Transfer.	MEMBERS.	
m $\ddagger$ { 1889 Feb. 5. } *MOIR, ERNEST WILLIAM .. ..	{ Great Northern & City Ry., Poole Street, New North Road, N.	
1894 May 22. }		
$\ddagger$ 1889 Dec. 3. MOLESWORTH, HENRY BRIDGES .. ..	39 Victoria Street, S.W.	
W m $\ddagger$ { 1854 Mar. 7. { MOLESWORTH, Sir GUIL-		
1862 Nov. 25. { FORD LINDSEY, K.C.I.E. .. ..	39 Victoria Street, S.W.	
(Vice-President.)		
1889 May 21. } MOLINE, LEWIS PRICHARD .. ..	{ Kensington Road, South Yarra, Mel-	
1891 Dec. 8. }	bourne, Victoria.	
1872 May 7. } *MOLLETT, FREDERICK HERBERT .. ..	{ C. H. Walker & Co., 15 Great George Street, S.W.	
1887 May 24. }		
1889 Feb. 5. } MOLLISON, JAMES SMITH .. ..	P. W. D., Sydney, N.S.W.	
1895 Apr. 9. }		
1898 Dec. 6. MOLLOY, AMBROSE JAMES .. ..	{ e.o. Grindlay & Co., Parliament St., S.W.	
1896 Dec. 1. MOLLOY, ROBERT ALFRED .. ..	{ c.o. H. S. King & Co., 45 Pall Mall, S.W.	
1888 May 1. MONCRIEFF, ALEXANDER BAIN .. ..	Eng.-in-Chief, Adelaide, S. Australia.	
t $\ddagger$ { 1890 May 6. } MONCRIEFF, JOHN MITCHELL .. ..	{ 1 St. Nicholas Buildings, Newcastle-on-Tyne. (P.O. 10.)	
1897 Jan. 19. }		
1887 May 24. MONCRIEFF, JOSEPH COWAN BAIN Ry. Station, Adelaide, S. Australia.		
m $\ddagger$ { 1888 Feb. 7. } *MONEY, ROBERT JARRATT .. ..	S. Pearson & Son, Shanghai.	
1902 Feb. 11. }		
1894 Mar. 6. } *MONIER - WILLIAMS, OUTRAM FAITHFULL .. ..	Box 1113, Johannesburg, Transvaal.	
1901 Dec. 17. }		
1875 Dec. 7. } MONK, HUGH LEWIN .. ..	H. S. King & Co., 45 Pall Mall, S.W.	
1890 Nov. 11. }		
1894 May 22. } MONKHOUSE, EDWARD WYNDHAM, M.A. (Cantab.) .. ..	{ 14 Old Queen Street, Westminster, S.W.	
1899 Dec. 12. }		
1886 Jan. 12. MONRO, THOMAS .. ..	{ Dept. of Rys. & Canals, Ottawa, Canada.	
1878 May 28. } *MONTAGUE, JOHN MONTHERMER, M.A. (Oxon.) .. ..	Bengal Dooars Ry., Jalpaignri, India.	
1893 Nov. 7. }		
1866 May 15. MOORE, ALFRED .. ..	2 Ridgefield, Manchester.	
1891 May 5. } *MOORE, ARTHUR MEYRICK .. ..	Beira Railway, Beira, East Africa.	
1898 Nov. 29. }		
1880 Dec. 7. } MOORE, EDWARD JAMES .. ..	{ Grindlay & Co., Parliament Street, S.W.	
1884 Oct. 14. }		
1880 Dec. 7. } MOOKE, GEORGE EDWARD .. ..	Hobart, Tasmania.	
1884 Mar. 4. }		
1883 Dec. 4. } *MOORE, RICHARD ST. GEORGE .. ..	17 Victoria Street, S.W.	
1895 Apr. 2. }		
1887 Dec. 6. MOORE, ROBERT .. ..	Laelede Building, St. Louis, Mo., U.S.	
1867 Jan. 8. MOORSOM, LEWIS HENRY .. ..	20 Cooper Street, Manchester.	
1888 Jan. 10. MORCOM, ALFRED .. ..	Ledsam Street Works, Birmingham.	
$\ddagger$ { 1866 Dec. 4. } MORE, CHARLES JAMES .. ..	{ Thames Conservancy, Victoria Embankment, E.C.	
$\ddagger$ { 1879 Apr. 29. }		
1886 Mar. 2. } MORE, JAMES, JUN., F.R.S.E. .. ..	{ 122 George Street, Edinburgh. (Theodolite, Edinburgh.)	
$\ddagger$ { 1886 Dec. 22. }		
1881 Dec. 6. } *MOREING, CHARLES ALGERNON .. ..	{ 20 Copthall Avenue, E.C. (Bewick, London. London Wall 758.)	
$\ddagger$ { 1888 Feb. 7. }		
1869 May 4. *MORELAND, RICHARD .. ..	{ 4 Highbury Quadrant, N. (Expansion, London.)	
1883 Jan. 9. } MORGAN, CHARLES LANGBRIDGE .. ..	L. B. & S. C. Ry., London Bridge, S.E.	
1889 Apr. 30. }		
1882 Dec. 5. } MORGAN, WALTER CAMPBELL DE .. ..	{ e.o. H. S. King & Co., 45 Pall Mall, S.W.	
1891 May 12. }		
1892 Dec. 6. MORGANS, THOMAS .. ..	60 Queen Square, Bristol.	
T t $\ddagger$ { 1891 May 5. MORISON, GEORGE SHATTUCK .. ..	49 Wall Street, New York, U.S.	
1902 Jan. 14. }		
1892 May 24. *MORLEY, GEORGE STREATEFIELD .. ..	Cramlington House, Northumberland.	
1897 Apr. 6. MORLEY, HENRY .. ..	P.W.D., Jabalpur, C.P., India.	
1884 Dec. 2. } MORRIS, DAVID .. ..	Gasworks, Cardiff.	[S.W.]
1889 May 21. }		c.o. H. S. King & Co., 45 Pall Mall,

Date of Election  
and of Transfer.

## MEMBERS.

1870	Feb. 1.	MORRIS, FRANK .. .. ..	Stile House, Lyme Regis.	[S.W.]
1878	Apr. 30.	MORRIS, THOMAS BACON ..	c.o. H. S. King & Co., 45 Pall Mall,	
t	{ 1870 Mar. 1. 1877 Dec. 11.	MORRIS, WILLIAM .. .. ..	Kent Waterworks, Deptford, S.E.	
W t	{ 1870 Feb. 1. 1874 Nov. 17.	MORRISON, GABRIEL JAMES ..	7 The Sanctuary, Westminster, S.W.	
	1887 May 24.	*MORSE, AMYAS .. .. ..	{ North Western Railway, Lahore, India.	
	1900 Dec. 19.			
	1892 Mar. 1.	MORTON, DAVID HOME .. ..	130 Bath Street, Glasgow.	
	1898 Mar. 1.	{ MORTON, ROBERT .. .. ..	27 Hamilton Terrace, N.W.	
†	1872 Dec. 3.	MOSS, JAMES ROBERT .. ..	5 Chiswick Place, Eastbourne.	
m	{ 1879 Feb. 4. 1888 May 15.	*MOSS-BLUNDELL, ARTHUR SPENCE .. .. ..	Englefield Green, Surrey.	
T t	{ 1862 Jan. 14. 1884 Dec. 2.	MOSTYN, ROBERT JOHN COUR-	{ Thames Conservancy, Victoria Em-	
	1890 Apr. 29.	TENAY .. .. ..	bankment, E.C.	
	1895 Mar. 5.	MOTT, BASIL .. .. ..	{ 2 Queen Square Place, Westminster, S.W.	
†	1885 May 5.	MOUNTAIN, ADRIEN CHARLES ..	City Surveyor, Melbourne, Victoria.	
t	{ 1880 Dec. 7. 1890 Nov. 11.	*MOYLE, GEORGE .. .. ..	c.o. Alliance Bank of Simla, Calcutta.	
	1871 Apr. 4.	MUIR, EDWIN .. .. ..	{ 21 Devonshire Street, Higher Broughton, Manchester. [S.W.]	
	1877 Nov. 27.	{ MULLALY, JOSEPH JOHN ..	c.o. H. S. King & Co., 45 Pall Mall,	
	1892 May 3.	{ MULVANY, CHRISTOPHER JOHN, B.A.I. (Dubl.) ..	County Surveyor's Office, Athlone, Ireland.	
	1888 Feb. 7.			
	1889 Dec. 3.	MUEGATROYD, SAMUEL LEES ..	G. C. Ry., London Road, Manchester.	
	1900 Feb. 20.			
	1871 Dec. 5.	MURPHY, PHILIP EDWARD ..		
	1899 Jan. 24.			
	1875 Dec. 7.	MURRAY, Hon. ALEXANDER ..	Surveyor-General, Singapore, S.S.	
	1892 Nov. 1.	MURRAY, FREDERICK CHARLES ..	Rawal Pindi, Punjab.	
	1891 Mar. 3.	MURZBAN, MUNCHERJI COWASJI,		
	1874 Dec. 1.	Khan Bahadur, C.I.E. ..	{ Gulestan, Murzban Road, Bombay.	
	1896 Jan. 28.			
	1896 Dec. 1.	MUSKER, ARTHUR .. .. ..	Tuebrook, Liverpool.	
	1902 Apr. 22.			
m	{ 1876 Feb. 1. 1882 Jan. 24.	*MYERS - BESWICK, WILLIAM BESWICK .. .. ..	{ 14 Victoria Street, S.W.	
	1897 Dec. 7.	{ MYLES, THOMAS JOSEPH, B.A.I. (Dubl.) ..	Midland Great Western Railway, Athlone, Ireland.	
	1902 Jan. 14.	NAIRN, CHARLES CAMERON ..	State Railways, Hobart, Tasmania.	
†	1898 Jan. 11.	NAPIER, ROBERT TWENTYMAN ..	75 Bothwell Street, Glasgow.	
†	{ 1847 Mar. 2. 1859 Mar. 8.	NEATE, CHARLES .. .. ..	{ 14 Victoria Street, S.W. (Trigonon, London.)	
	1870 Apr. 5.	NEWBIGGING, THOMAS .. ..	5 Norfolk Street, Manchester.	
	1878 Apr. 30.			
	1882 Dec. 5.	NEWCOMBE, ALFRED CORNE-	c.o. F. Newcombe, Highfield, Muswell	
	1896 Jan. 28.	LIUS .. .. ..	Hill Road, N.	
	1889 Feb. 5.	*NEWELL, THOMAS MONK ..	Dock Office, Hull.	
	1898 Nov. 29.			
	1879 May 6.	NEWHEY, JOSEPH .. .. ..	{ Chief Inspector of Public Works,	
	1891 Nov. 9.		Cape Town, C.C.	
	1894 Feb. 6.	NEWTON, CHARLES BUTTER-		
	1899 Dec. 12.	WORTH .. .. ..	{ Whitehall Chambers, Carlisle.	
	1894 Apr. 3.	NEWTON, CHARLES EDWARD ..	17 Cooper Street, Manchester.	
	1885 Dec. 1.	*NEWTON, WILLIAM GYLICH ..	P.W.D., Rangoon, Burma.	
	1897 Nov. 30.			
	1873 Mar. 4.	NICHOLAS, CHARLES EDWARD ..	Ry. Dept., Sydney, N.S.W.	
	1880 Mar. 2.			

Date of Election  
and of Transfer.

## MEMBERS.

t	†	1892 Feb. 2.	NICHOLS, OTHNIEL FOSTER ..	{ 42 Gates Avenue, Brooklyn, N.Y., U.S.
		1888 Apr. 10.)	*NICHOLSON, GEORGE TAYLOR ..	Table Bay Harbour, Cape Town, C.C.
		1902 Mar. 18.)		
		1887 May 3.)	NICOL, ROBERT GORDON ..	Harbour Engineer, Aberdeen.
		1899 Nov. 28.)		
		1875 Dee. 7.)	NICOLLS, THOMAS JOHN FRANCIS } B.A. ( <i>Dubl.</i> ) .. .. ..	14 Bridge Street, Glasgow.
		1879 Mar. 25.)	{ NICOLSON, JOHN THOMAS, D.Sc. ( <i>Edin.</i> ) .. .. ..	Municipal Technical School, Princess Street, Manchester.
L		1882 Mar. 7.)	NIGHTINGALE, WALTER HAW- KINS .. .. ..	P.W.D., Naini Tal, N.W.P., India.
		1889 Dec. 3.)	NIVEN, THOMAS OGILVIE ..	131 West Regent Street, Glasgow.
		1901 Feb. 5.)	NOBLE, ALFRED .. .. ..	501 West 120th St., New York, U.S.
		1881 Dec. 6.)	{ NOBLE, Sir ANDREW, Bart., Capt. Elswick Works, Newcastle-on-Tyne, R.A. ret., K.C.B., F.R.S. (Elswick, Newcastle. 8.)	
		1898 Mar. 1.)	{ NOBLE, SAXTON WILLIAM ARMSTRONG .. .. ..	8 Great George Street, S.W.
		1886 Dec. 7.)	NORMAN, CHARLES ERNEST ..	Ry. Dept., Melbourne, Victoria.
		1888 Oct. 30.)		
		1892 May 3.)	*NORTH, MARJORIBANKS KEPPEL	{ Local Government Board, White-
		1901 Dee. 11.)		Hall, S.W.
		1877 Feb. 6.)	NYSTRÖMER, CARL AUGUST	Avenida Alvear 324, Buenos Aires.
		1883 May 29.)	BERNHARD .. .. ..	
		1877 May 1.)	OAK, WILLIAM PERCIVAL ..	{ Quex Lodge, West End Lane, Kilburn, N.W.
		1892 Feb. 23.)		
		1869 Jan. 9.)	O'CALLAGHAN, Sir FRANCOIS LANG- FORD, K.C.M.G., C.S.I., C.I.E.	Crichmere, Guildford.
		1872 Apr. 23.)		
		1876 Apr. 4.)	O'CONNELL, JOHN .. .. ..	Sion Villa, Kilkenny.
		1889 Jan. 15.)		
		1879 Apr. 1.)	{ ODLING, CHARLES WILLIAM, C.S.I., M.E. ( <i>Queen's</i> ) .. ..	N.W.P. and Oudh Secretariat, Allahabad, India.
		1900 Jan. 9.)	O'DONNELL, JOHN PATRICK ..	Palace Chambers, Westminster, S.W.
		1889 Feb. 5.)	OLDHAM, ABEL JOHN .. .. ..	
		1871 Dec. 5.)	OLDHAM, ROBERT AUGUSTUS ..	Burghill, Guildford.
		1878 Feb. 19.)		
†		(1879 Feb. 4.)	OLIVE, WILLIAM THOMAS ..	{ 4 & 5 National Bank Chambers, St. George's St., Cape Town, C.C.
		(1891 Nov. 17.)		
		1889 Mar. 5.)	OLIVER, CALDER EDKINS, M.C.E.	{ Board of Works, Melbourne, Vic-
		1897 Nov. 30.)	( <i>Melb.</i> ) .. .. ..	toria.
		1889 Dec. 3.)	{ OLIVER, CHARLES DEANE,	(Congested Districts Board, 23 Rut-
		1901 Dec. 11.)	{ B.A.I. ( <i>Dubl.</i> ) .. .. ..	land Square, Dublin.
		1878 Jan. 15.)	OLIVER, HENRY .. .. ..	Colombo, Ceylon.
		1890 Nov. 25.)		
‡		(1895 Apr. 2.)	OLLEY, CHARLES HENRY ..	{ Engineer's Dept., Board of Works, Dublin.
		(1901 Feb. 12.)		
		1884 Feb. 15.)	*O'NEILL, WILLIAM PURCELL	{ M. G. W. Ry., Broadstone Station, Dublin.
		1900 Jan. 30.)		
W t	†	1897 Dee. 7.)	ORAM, HENRY JOHN .. .. ..	{ Meadowside, Thurleigh Road, Balham, S.W.
		1882 May 23.)	*ORANGE, FRANCIS .. .. ..	11 Gray's Inn Square, W.C.
		1890 Apr. 15.)		
‡		(1882 May 23.)	*ORANGE, JAMES .. .. ..	Leigh & Orange, Hong Kong.
		(1890 Apr. 15.)		
m		1896 Mar. 3.)	{ *ORCHARD, WILLIAM PATTERSON, B.E. ( <i>Queen's</i> ) .. .. ..	County Surveyor, Ballina, co. Mayo.
		1873 May 20.)	ORMISTON, GEORGE EDWARD ..	9 Melbury Road, Kensington, W.
		1879 Nov. 4.)		
		1879 Feb. 4.)	ORMSBY, ROBERT DALY .. ..	St. Ann's, Killiney, Ireland.
		1891 Apr. 7.)	OSBORN, FRANK CHITTENDEN	{ Osborn Building, Cleveland, Ohio, U.S.
		1900 Apr. 3.)		

Date of Election  
and of Transfer.

## MEMBERS.

1882 Jan. 10.) OSBORNE, JAMES .. . . . 5 Dean Terrace, Liskeard, Cornwall.  
 1885 Feb. 10.)

1865 Apr. 4. OSBURN, HENRY .. . . . { 21 Cedars Road, Clapham Common,  
 S.W.

1894 Dec. 4. O'SHAUGHNESSY, JAMES EDWARD Bangalore, India.

t † 1892 Dec. 6.) \*OSWELL, FRANK .. . . . { Obras de los Graneros, Digue 2,  
 Buenos Aires.

1883 Feb. 6. OTWAY, JAMES, B.A. (*Dubl.*) .. G. S. & W. Ry., Inchicore, Dublin.

1874 Jan. 13.) OWEN, WILLIAM LANCASTER .. 26 Cornwall Gardens, S.W.

1882 Mar. 28.)

1877 May 29.) PACKMAN, JONATHAN .. . . . { Haling House, Waddon Road, Croydon.

1881 May 24.)

1891 Dec. 1.) \*PADDON, ARTHUR MATTHEWS .. 3 Victoria Street, S.W.

1899 Nov. 28.)

† 1861 Dec. 3.) PADDON, JOHN BIRCH .. . . . Drymma, Neath, Glamorgan.

(1871 Nov. 21.)

m 1875 Feb. 2.) \*PAGE, GEORGE EDWARD .. 32 Bark Place, Bayswater Hill, W.

1891 May 12.)

† 1870 Feb. 1.) PAIN, ARTHUR CADLICK .. . . . 17 Victoria Street, S.W.

(1877 May 8.)

1884 Dec. 2. PALLISER, HARRY GEORGE .. c/o. Watson & Co., 7 Waterloo Place,

1887 Apr. 5. PALMER, CHARLES GEORGE, C.I.E. P.W.D., Irrigation Dept., Agra.

1884 Dec. 2.) \*PALMER, CHARLES STUART .. Outram Street, Perth, Western

1899 Nov. 28.) RUSSELL .. . . . Australia.

1890 Apr. 1.) PALMER, FREDERICK .. . . . Neath, South Wales.

1898 Nov. 29.)

1870 Dec. 6.) PALMER, GEORGE .. . . . { c/o H. S. King & Co., 45 Pall Mall,

1879 Nov. 11.)

1884 May 6.) PALMER, PHILIP HENRY .. . . . Boro' Engineer, Hastings.

1897 Nov. 30.)

1884 Feb. 5.) PARKER, CHARLES DONALD .. Dock Works, Leith, N.B.

1896 May 19.) NAPIER .. . . .

1886 Mar. 2.) PARKER, JOHN DUNLOP .. 146 West Regent Street, Glasgow.

1889 Jan. 8.) PARKER, THOMAS .. . . . Gorton House, Gorton, Manchester.

S t † 1889 Dec. 3.) PARKER, THOMAS .. . . . { Manor House, Tettenhall, Wolverhampton.

1882 Mar. 7.) PARKE, BENJAMIN, .. . . .

1891 May 12.) M.E. (*Queen's*), F.C.H. .. { S.W.

† 1880 Dec. 7.) \*PARKE, CHARLES REGINALD .. 11 Tregunter Road, S.W.

(1891 Nov. 3.)

1900 Jan. 9.) { PARRINGTON, MATTHEW WILLIAM .. Hill House, Monkwearmouth.

1875 May 4.)

† 1879 Mar. 4.) PARRY, EDWARD .. . . . 28 Park Row, Nottingham.

1875 Mar. 2.)

1887 Feb. 8.) PARRY, JOSEPH .. . . . Municipal Offices, Liverpool.

1887 Dec. 6.)

1895 Oct. 22.) PARRY, WALTER .. . . . Waterworks, Cawnpore, India.

† 1894 Jan. 9.) PARRY, WILLIAM KAYE, M.A., .. 63 Dawson Street, Dublin. (Parry,

(1899 Nov. 28.) B.A.I. (*Dubl.*) .. . . . Dublin. 808.)

C † 1895 Mar. 5.) PARSHALL, HORACE FIELD .. { Salisbury House, London Wall, E.C.

1896 Nov. 24.)

(Abscissa, London. London Wall, 301.)

† 1881 May 31.) \*PARSONS, Hon. CHARLES AL-

GERNON, F.R.S. .. . . . Holey Hall, Wylam-on-Tyne.

M T m † 1892 Dec. 13.)

1876 May 30.) \*PARSONS, Hon. RICHARD .. 39 Victoria Street, S.W.

1883 May 8.) CLERE, M.A. (*Dubl.*) .. . . .

1892 Dec. 6. PARSONS, WILLIAM BARCLAY .. 22 William Street, New York, U.S.

1894 May 22.) PARTRIDGE, GERALD WILLIAM .. 25A Cockspur Street, S.W.

1901 Apr. 16.)

Date of Election  
and of Transfer.

## MEMBERS.

1874 Mar. 3.	PASKIN, JAMES ALKIN .. ..	22 George Street, Halifax.
1869 May 4	PASSMORE, FRANK BAILEY .. ..	5 Laurence Pountney Hill, E.C.
1879 Feb. 4		{ Knarf, London.)
1867 May 21.	PASSOS, FRANCISCO PEREIRA .. ..	34 Rua da Santa Luzia, Rio de Janeiro.
1889 Mar. 5	PATCHELL, WILLIAM HENRY .. ..	60 St. Martin's Lane, W.C. (Gerrard 2807.)
1898 Dec. 20		
† 1876 Feb. 1.	PATERSON, MALCOLM McCULLY .. ..	35 Manor Row, Bradford.
† 1885 May 5	LOCH .. .. .. ..	
† 1852 Feb. 3.	PATERSON, PETER .. .. ..	248 Burger Street, Maritzburg, Natal.
† 1871 Dec. 19		
1881 Dec. 6	PATERSON, THOMAS ORMISTON .. ..	{ Gasworks, Birkenhead. (Paterson,
1893 Nov. 7		{ Birkenhead.)
1895 Apr. 2	PATERSON, WILLIAM ALEXANDER .. ..	Eng's Office, Caledonian Ry., Edinburgh.
1897 Dec. 7	ANDER .. .. .. ..	
† 1877 May 1.	PATTERSON, ROBERT CHARLES .. ..	Varuna, Hobart, Tasmania.
1883 May 1	*PAWLEY, RICHARD .. .. ..	Hull & Barnsley Ry., 9 Charlotte Street, Hull.
1889 Jan. 15		
† 1875 May 4	PAXMAN, JAMES NOAH .. ..	Standard Ironworks, Colchester.
† 1896 Dec. 15		{ (Paxman, Colchester.)
1887 Apr. 5	PEACE, GEORGE HENRY .. ..	Monton Grange, Eccles, Manchester.
1889 Dec. 17		
1880 May 4	PEACHE, JAMES COURTHOPE .. ..	Layer Marney Tower, Kelvedon.
1899 Nov. 28		{ (Peache, Birch.)
1884 Mar. 4	PEACOCK, RALPH .. .. ..	Avon Castle, Ringwood, Hants.
1891 Jan. 13	*PEAKE, ROBERT EDWARD .. ..	4 Great Winchester Street, E.C.
1899 Jan. 17		
† 1890 Dec. 2	*PEARCE, ALFRED .. .. ..	Avonmouth Docks, Bristol.
† 1900 Feb. 20		
1861 Apr. 9.	PEARCE, JOHN CHARLES .. ..	Boston Spa, Yorkshire.
† 1871 Apr. 4	*PEARSALL, HOWARD DEVENISH .. ..	21 Parliament Hill, Hampstead, N.W.
† 1897 Feb. 2		
1897 Apr. 6.	PEARSON, FRED STARK .. ..	Metropolitan Traction Co., New York, [U.S.]
1874 Apr. 14	PEARSON, HENRY WILLIAM .. ..	Waterworks Office, Bristol.
1886 Nov. 23		
1884 Dec. 2.	PEARSON, THOMAS WILLIAM .. ..	G.I.P. Ry., Bombay.
1882 Feb. 7.	PEARSON, WILLIAM GREY .. ..	97 Cannon Street, E.C.
1889 Feb. 5	*PEIRCE, ROBERT .. .. ..	Municipal Engineer, Singapore, S.S.
1900 Jan. 23		
1871 Mar. 7.	PENDLEBURY, JOHN .. ..	{ 17 Claverton Street, Lupus Street, S.W.
1874 Feb. 3	PENN, JOHN, M.P. .. ..	22 Carlton House Terrace, S.W.
1880 Jan. 27		
t † 1885 Feb. 3	*PENNY, EDMUND, C.I.E. .. ..	King, King & Co., Bombay.
† 1891 Jan. 13		
1892 Dec. 6.	PENNY, LOUIS .. .. ..	Grindlay & Co., Parliament St., S.W.
† 1874 Jan. 13	*PERRAM, GEORGE JAMES .. ..	Shillong, Assam.
† 1885 Feb. 24		
1895 Dec. 3.	PERRIN, CHARLES .. .. ..	5 Hereford Square, S.W.
1892 Dec. 6.	PERRY, JAMES, M.E. (Queen's)	County Surveyor, Galway.
1888 Apr. 10.	PETERS, CHARLES JASPER .. ..	3 Manor Court Road, Hanwell, W.
1874 Dec. 1.	PETERSON, PETER ALEXANDER .. ..	Canadian Pacific Ry., Montreal.
S t † 1884 Feb. 5	*PETTIGREW, WILLIAM FRANK .. ..	Friars Dene, Abbey Road, Barrow-in-Furness.
† 1894 Jan. 16		
1890 Apr. 1.	PEW, ARTHUR .. .. ..	Auburn, Ala., U.S.
1890 Mar. 4	{ PHELAN, ALFRED BERNARD, B.A. (Dubl.) .. .. ..	P.W.D., Amritsar, Punjab.
1873 Feb. 4	PHILLIPS, ARTHUR FREDERICK .. ..	{ 38 Parliament Street, S.W. (Umberto, London.)
1883 Apr. 21		
1892 Dec. 6.	PIPHES, CHRISTOPHER EDWARD .. ..	Madras Ry., Perambore, Madras.
1891 Feb. 3	PIDGEON, JOHN .. .. ..	Railway Dept., Coolgardie, Western Australia.
1899 Apr. 18		

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## MEMBERS.

1895 Dec. 3.	PILKINGTON, HERBERT .. ..	Sheepbridge Ironworks, Chesterfield.
1899 Nov. 28.	PILKINGTON, WOODFORD .. ..	Brooklands Cottage, Blackheath Park, S.E.
† 1865 May 23.	PIMENTEL, JOAQUIM GALDINO .. ..	Rua dos Invalidos 95, Rio de Janeiro.
1874 May 5.	PIRRIE, Rt. Hon. WILLIAM JAMES, P.C., LL.D. ( <i>Royal</i> ) .. ..	Queen's Island, Belfast.
1884 Dec. 2.	PLATT, JOHN JOSEPH .. ..	Newark Foundry, Bath.
t † 1877 Dec. 4.	PLATT, WALTER .. ..	Hynning, Carnforth.
1885 Dec. 8.	PLATT, JOHN .. ..	Borough Engineer, Rochdale. (165.)
1888 Mar. 15.	PLATT, SAMUEL SYDNEY .. ..	(Hyndford House, Inglemere Road, Forest Hill, S.E.)
1882 Mar. 7. *	PLATT, SAMUEL SYDNEY .. ..	(Hyndford House, Inglemere Road, Forest Hill, S.E.)
1897 Mar. 2.	PLATTS, JOHN JOSEPH .. ..	(Hyndford House, Inglemere Road, Forest Hill, S.E.)
1884 Dec. 2.	PLATTS, JOHN JOSEPH .. ..	(Hyndford House, Inglemere Road, Forest Hill, S.E.)
1891 Dec. 1.	POGSON, ALFRED LEE .. ..	H.M. Dockyard, Malta.
1895 Jan. 22.	POGSON, ALFRED LEE .. ..	H.M. Dockyard, Malta.
1879 Mar. 6. *	POLLARD, JOHN .. ..	{ 31 Old Queen Street, Westminster, S.W. (Piezometer, London.)
1895 Feb. 12.	POLLARD-URQUHART, MONTAGU .. ..	29 St. Andrew Square, Edinburgh.
1885 Feb. 3. *	POLLARD-URQUHART, MONTAGU .. ..	(Meik, Edinburgh.)
1894 Feb. 20.	ALEXIS .. ..	Fernlea, Bowdon, Cheshire.
1894 May 22.	POLLITT, HARRY .. ..	Fernlea, Bowdon, Cheshire.
1899 Jan. 17.	POLLITT, HARRY .. ..	Fernlea, Bowdon, Cheshire.
1865 May 23.	PONTIFEX, EDMUND ALFRED ..	72 Cornwall Gardens, S.W.
1889 Apr. 30.	POTTER, JOHN BONSALL .. ..	McGill University, Montreal.
† 1900 Jan. 9.	POTTER, WILLIAM FURNISS .. ..	16 Park Row, Leeds.
1877 Dec. 4.	POTTINGER, JOHN CURWEN .. ..	
1878 May 28.	POTTINGER, JOHN CURWEN .. ..	
1894 Oct. 16.	POWNALL, CHARLES ASSHETON .. ..	53 Victoria Street, S.W. (Testudo, Whately .. ..)
† 1878 Feb. 5. *	POWNALL, CHARLES ASSHETON .. ..	London.)
T t L F	PREECE, Sir WILLIAM HENRY, K.C.B., F.R.S. ( <i>Past-President</i> ) .. ..	Gothic Lodge, Wimbledon, S.W. (Westminster 420 and Wimbledon 18.)
† 1859 May 24.	PREECE, Sir WILLIAM HENRY, K.C.B., F.R.S. ( <i>Past-President</i> ) .. ..	Gothic Lodge, Wimbledon, S.W. (Westminster 420 and Wimbledon 18.)
† 1871 Dec. 5.	PREScott, HARRY ERNEST, M.A. ( <i>Cantab.</i> ) .. ..	44 Kensington Square, W.
1888 Dec. 4.	PREScott, HARRY ERNEST, M.A. ( <i>Cantab.</i> ) .. ..	44 Kensington Square, W.
1902 Feb. 11.	PREST, JOHN JOSEPH .. ..	Hardwick Hall, Castle Elen, Durham.
1899 Feb. 7.	PREST, JOHN JOSEPH .. ..	Hardwick Hall, Castle Elen, Durham.
m 1879 May 27.	*PRESTON, ALFRED ELEY .. ..	34 Essex Street, Strand, W.C.
m 1889 May 21.	*PRESTON, ALFRED ELEY .. ..	34 Essex Street, Strand, W.C.
† 1891 Mar. 3.	PRESTON, FRANCIS JOHN .. ..	Sholapur, Bombay.
† 1898 Jan. 25.	PRESTON, FRANCIS JOHN .. ..	Sholapur, Bombay.
1885 Feb. 3.	PRICE, ALFRED DICKINSON, M.A.I. ( <i>Dubl.</i> ) .. ..	3 Fortfield Villas, Palmerston Park, Dublin.
1893 Dec. 12.	PRICE, ALFRED DICKINSON, M.A.I. ( <i>Dubl.</i> ) .. ..	Harbour Office, Lapp's Quay, Cork.
t † 1888 Dec. 4.	PRICE, JAMES, B.A.I. ( <i>Dubl.</i> ) .. ..	6 Osborne Villas, Jesmond-on-Tyne.
1882 Dec. 5.	PRICE, JOHN .. ..	6 Osborne Villas, Jesmond-on-Tyne.
1879 Dec. 2. *	PRICE, JOHN .. ..	City Surveyor, Birmingham.
1897 Dec. 7. *	PRICE, JOHN .. ..	8 Yarborough Road, Southsea.
† 1865 Dec. 5.	PRICE, WILLIAM HENRY .. ..	6 Queen Anne's Gate, Westminster, S.W. (Spandrel, London.)
T t W S	† 1861 Apr. 9. PRICE-WILLIAMS, RICHARD .. ..	13 Harrington Street, Liverpool. (6889.)
1886 Feb. 2. *	PRIEST, FRANK EDWARD .. ..	Waterworks Engineer, Cardiff.
1896 Dec. 15.	PRIEST, FRANK EDWARD .. ..	Waterworks Engineer, Cardiff.
1886 Mar. 2.	PRIESTLEY, CHARLES HENRY .. ..	Waterworks Engineer, Cardiff.
1902 Apr. 15.	PRIESTLEY, CHARLES HENRY .. ..	Waterworks Engineer, Cardiff.
1863 Mar. 3.	PRINCE, HENRY .. ..	11 Clanricarde Gardens, W.
1873 Dec. 6.	PRINCE, HENRY .. ..	11 Clanricarde Gardens, W.
1883 May 29.	PRINDLE, FRANKLIN COGSWELL .. ..	Navy Dept., Washington, U.S.
1877 May 29.	PROCTOR, JONAS .. ..	Mere Lawn, Bolton.
1889 Dec. 3. *	PROUSE, ARTHUR DUNCAN .. ..	Harbour Works, Colombo, Ceylon.
1902 Apr. 29. *	PROUSE, ARTHUR DUNCAN .. ..	Harbour Works, Colombo, Ceylon.
1886 Jan. 12.	PRYCE, HENRY JAMES .. ..	54 Filey Avenue, Stoke Newington, N.
1898 Apr. 5.	PRYCE, HENRY JAMES .. ..	54 Filey Avenue, Stoke Newington, N.

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## MEMBERS.

1883 Jan. 9.) \*PURDON, HENRY ATWELL .. { 14 Artillery Mansions, Victoria St.,  
1890 May 20.) .. S.W.

1860 Feb. 7. PURSER, EDWARD .. .. .. Ottoman Railway, Smyrna. [E.C.  
1898 Dec. 6. PYNE, Sir THOMAS SALTER, C.S.I. c.o. G. Allan & Co., 13 Austin Friars,

1873 Feb. 4.) QUELCH, ROBERT JAMES .. .. 66 Bromfeld Road, Clapham, S.W.

1879 Jan. 7.) .. 1 Great George Street, S.W.

1870 Dec. 6. QUICK, JOSEPH .. .. .. 1 Great George Street, S.W.

1875 Dec. 7.) QUIGLY, RICHARD, M.A. (*Dubl.*) Sir Lowry's Pass, Cape Colony.

1882 Mar. 28.) .. Sir Lowry's Pass, Cape Colony.

† (1870 Feb. 1.) QUINETTE DE ROCHEMONT, } Rue de Marignan 18, Paris.  
‡ (1883 May 22.) Baron EMILE THEODORE .. }

1863 Mar. 3. RADFORD, GEORGE KENT .. .. 2312 Warring St., Berkeley, Cal., U.S.

t † (1876 Apr. 4. RAMSAY, JAMES .. .. .. { Listoke, St. Stephen's Road, Ealing,  
W.

1881 Apr. 5. RAMSDEN, JOHN .. .. .. Dane Croft, Holmes Chapel.

1864 Mar. 1.) RANSOME, ALLEN .. .. .. Lombard House, Newark-on-Trent.

1877 May 29.) .. Lombard House, Newark-on-Trent.

1886 Jan. 12.) \*RANSOME, JAMES STAFFORD .. 11 Glebe Place, Chelsea, S.W.

1898 Nov. 29.) .. 11 Glebe Place, Chelsea, S.W.

m † (1888 May 15) \*RANSOME, LEWIS HENRY .. .. Farndon, Newark-on-Trent.

(1897 Nov. 30) .. Farndon, Newark-on-Trent.

1895 Jan. 8. RAWORTH, JOHN SMITH .. .. { 46 Christchurh Road, Streatham

† (1884 Apr. 1.) RAWSON, THOMAS HAROLD .. .. { Hill, S.W. Otago Harbour Board, Dunedin, N.Z.

1890 May 4.) \*RAYNES, THOMAS .. .. .. { Waterworks, Johannesburg, Transvaal.

1901 Dec. 11.) .. { Pennsylvania Rlrd., Broad Street Station, Philadelphia, Pa., U.S.

1891 Feb. 3. REA, SAMUEL .. .. .. { Pennsylvania Rlrd., Broad Street Station, Philadelphia, Pa., U.S.

1887 May 24. REAY, THOMAS PURVIS .. .. Airedale Foundry, Leeds.

1902 Feb. 4. REDNALL, FRANCIS THOMAS .. .. { Whitechapel and Bow Railway,  
48 Bow Road, E.

1873 Dec. 2.) REE, HENRY STRUTT COLLETTE .. .. { New Dock Works, Cardiff Ry.,  
1885 Dec. 1.) .. .. { Cardiff.

L 1870 Mar. 1. { REED, Sir EDWARD JAMES, } Broadway Chambers, Westminster,  
K.C.B., F.R.S., M.P. .. .. { S.W. (Carnage, London.)

† (1891 Dec. 1.) \*REED, HENRY ASHMAN .. .. { H.M. Dockyard Extension, Gib-

(1902 Feb. 11.) .. .. { raltar.

1885 Dec. 1. REES, ITHEL TREHARNE .. .. { Guildhall Chambers, Cardiff.  
(Mining, Cardiff.)

1879 Feb. 4.) REES, TOGARMAH .. .. .. { Corn Exchange Chambers, Newport.

1886 May 11.) .. .. .. { Mon.

1876 Jan. 11.) REICHENBACH, OSCAR .. .. .. The Hollies, Crawley, Sussex.

1880 Apr. 13.) .. .. .. 33 Montpellier Crescent, Brighton.

1868 Apr. 7. REID, GEORGE LOWE .. .. .. { Admiralty, 21 Northumberland Avenue, W.C.

1901 Mar. 5. REID, HERBERT CARTWRIGHT .. .. { Neilson, Reid & Co., Hyde Park Locomotive Works, Glasgow.

1897 Jan. 12. REID, HUGH .. .. .. { Neilson, Reid & Co., Hyde Park Locomotive Works, Glasgow.

1886 Mar. 2.) \*REID, KENNETH .. .. .. Ferrocarril, San José, Costa Rica.

1895 Oct. 22.) .. .. .. { 8 Great George Street, S.W. (Suk-

1862 May 6. { RENDEL, Sir ALEXANDER MEADOWS, K.C.I.E., .. .. { kur, London.)

1862 May 6. { M.A. (*Cantab.*) .. .. .. { 8 Great George Street, S.W. (Suk-

WT † (1863 Apr. 14. RENDEL, GEORGE WIGHTWICK .. .. .. { kur, London.) Villa Maraval, Posilipo, Naples.

1888 Dec. 4. RENDELL, ALAN WOOD .. .. .. { 82 York Road, King's Cross, N.

t † (1857 Mar. 3.) RENNIE, GEORGE BANKS .. .. .. { 20 Lowndes Street, S.W. Southwark & Vauxhall Water Co.,

‡ (1860 Mar. 6.) .. .. .. { 20 Lowndes Street, S.W. Southwark Bridge Road, S.E.

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## MEMBERS.

1887 Dec. 6.)	REUNERT, THEODORE .. ..	{ 35 Mansion House Chambers, Cape Town, C.C.
1899 Feb. 7.)		Imperial Ottoman Bank, Bagdad,
1879 May 6.)	*REYNOLDS, GEORGE BERNARD	via Bombay.
1892 Nov. 22.)		
L t ✕ 1883 Dec. 4.)	{ REYNOLDS, Professor OSBORNE, M.A. (Cantab.), LL.D. (Glas.), F.R.S. .. .. ..	Fallowfield, Manchester.
1875 Dec. 7.)	REYNOLDS, PLAYFORD .. ..	Bryneam, The Park, Cheltenham.
1883 Nov. 6.)		
t ✕ { 1873 May 20.)	RHIND, ROBERT HUNTER ..	{ 40 Eglantine Avenue, Lisburn Road, Belfast.
1876 Nov. 28.)		
1890 May 6.)	RHODES, CHARLES EDWARD ..	Aldwarke Main Colliery, Rotherham.
1897 Dec. 7.)	RICE, EDWIN WILBUR, JUN. ..	Schenectady, New York, U.S.
1871 May 2.)	RICE, JAMES .. .. ..	H. Henman, Stagsden, Egmont Road, Sutton, Surrey.
1883 Nov. 20.)		
1878 May 7.)	RICHARD, HENRY JOSEPH ..	67 Gordon Road, Ealing, W.
1889 Nov. 15.)		{ Plas Llecha, Tredunnock, Caerleon, Mon.
1881 Apr. 5.)	RICHARDS, EDWARD WINDSOR	
1888 Dec. 4.)	RICHARDS, RICHARD WATKINS ..	Mutual Life of New York Building, Martin Place, Sydney, N.S.W.
1902 Jan. 28.)		
1887 Jan. 11.)	RICHARDS, THOMAS .. ..	Nundydroog Co., Oorganm, Mysore,
1865 Feb. 7.)	RICHARDSON, JOHN .. .. ..	Well Royd, Rawdon, Leeds. [India.
1879 Feb. 4.)		
C ✕ 1894 Apr. 3.)	RICHARDSON, JOHN .. .. ..	Globe Works, Lincoln.
1897 Dec. 7.)	RICHARDSON, WILLIAM AUGUSTUS	Borough Road, Birkenhead.
1872 Dec. 3.)		{ Broadlands House, Brockenhurst, Hants.
1887 Oct. 25.)	RICHARDSON, WILLIAM PELHAM	
1879 Mar. 4.)	RICHES, TOM HURRY .. ..	Taff Vale Railway, Cardiff.
1882 Jan. 10.)		
1868 Apr. 7.)	RICHMOND, DAVID, B.A. (Dubl.)	{ Victoria Place, Warrenpoint, co. Down.
1876 May 2.)		
1891 Nov. 3.)	RICHMOND, JAMES .. .. ..	Govt. Rys., Kingston, Jamaica.
1896 Mar. 3.)	RIDER, JOHN HALL .. ..	{ L.C.C. Tramways, 303 Camberwell New Road, S.E.
1902 Mar. 18.)		
t ✕ { 1866 Dec. 4.)	RIDLEY, WILLIAM .. .. ..	39 Victoria Street, S.W.
1874 Nov. 17.)		
1891 Dec. 1.)	*RIGBY, HERBERT PETER ..	{ Main Drainage, Cape Town, C.C.
1901 Apr. 23.)	BARROW .. .. ..	
1876 Feb. 1.)	RIGBY, JASON, B.A. (Dubl.) ..	{ c.o. Buenos Aires and Rosario Ry. Co., 3A Coleman Street, E.C.
1883 Mar. 13.)		
1872 May 14.)	RIGG, HENRY .. .. ..	Alexander Fletcher & Co., 2 St. Helen's Place, E.C.
1882 Nov. 7.)		
1897 Dec. 7.)	RILEY, WILLIAM EDWARD ..	{ London County Council, Spring Gardens, S.W.
t ✕ 1893 Dec. 5.)	RIPPER, Professor WILLIAM ..	University College, Sheffield.
m ✕ { 1880 May 25.)	*RITSO, BERNARD WILLIAM ..	P.W.D., Cape Town, C.C.
1901 Dec. 17.)		
† ✕ { 1875 May 4.)	RIVERS, EDWARD GEORGE ..	{ H.M. Office of Works, Storey's Gate, Westminster, S.W.
1902 Mar. 11.)		
1884 Apr. 1.)	ROBERTS, MARTIN FENN ..	Mabshill, Epsom.
1899 Dec. 12.)		
1887 Mar. 1.)	ROBERTS, THOMAS .. .. ..	Govt. Rys., Adelaide, S. Australia.
1896 Nov. 16.)		
1870 May 3.)	ROBERTS, WILLIAM .. .. ..	{ 831 Salisbury House, Finsbury Circus, E.C.
1879 Mar. 25.)		
1893 Feb. 7.)	ROBERTS, WILLIAM .. .. ..	Highland Ry., Inverness.
1898 Feb. 1.)		
t ✕ { 1874 Dec. 1.)	ROBERTSON, FREDERICK EWART,	{ 8 Great George Street, S.W. (Suk- kur, London.)
1890 Feb. 25.)	C.I.E. .. .. ..	
1887 Feb. 1.)	ROBERTSON, JAMES ROBERT ..	Thorpe Lodge, Hornchurch, Essex.
1893 Apr. 18.)		

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m † { 1889 Dec. 3 } * ROBERTSON, LESLIE STEPHEN 1901 Feb. 19 }	{ 28 Victoria Street, S.W. (Eyebolts, London.) }
† { 1886 May 4 } * ROBERTSON, ROBERT, 1891 Dec. 11 } B.Sc. ( <i>Elin.</i> ) .. .. ..	{ 154 West George Street, Glasgow. 4 Mount Street, Berkeley Square, W. 8 Ash Grove, Wrexham Rd., Chester. }
1893 Dec. 5. ROBINOW, FRANK .. .. .. 1867 Feb. 5. ROBINS, CHARLES .. .. .. 1872 May 7. } * ROBINSON, CHARLES EDWARD 1885 Dec. 15. }	{ 8 Selborne, Ashburton, S. Devon.
1875 Apr. 6. } ROBINSON, FRANK EDWARD .. 1895 Jan. 8. }	{ 13 Victoria Street, S.W.
t † { 1864 Feb. 2. } ROBINSON, Professor HENRY .. 1868 Feb. 18. }	{ Parliament Mansions, Victoria Street, S.W.
T t † { 1866 Mar. 6. } ROBINSON, JOHN .. .. .. 1872 Apr. 30. }	{ Engineer's Office, New Dock Works, Grangemouth, N.B.
1896 Jan. 14. ROBINSON, JOHN FREDERICK .. 1902 Jan. 14. ROBINSON, JOHN GEORGE .. 1893 May 2. ROBINSON, MARK HEATON .. 1876 Dec. 5. ROBINSON, ROBERT .. .. .. 1884 May 27. ROBINSON, Professor WILLIAM, 1900 Mar. 27. M.E. ( <i>Queen's</i> ) .. .. ..	{ Atlas Works, Glasgow. Boothdale, Fairfield, Manchester. Overslade, Rugby. Darlington. 1 Vickers Street, Nottingham.
1885 May 19. } * ROBSON, OLIVER CLAUDE .. 1895 May 14. }	{ Public Offices, Dyne Road, Kilburn, N.W.
1875 May 11. ROCHE, GEORGE BYLAND .. t † { 1886 Feb. 2. } ROECHLING, HERMAN ALFRED 1901 Dec. 11. }	{ 146 Church Rd., Upper Norwood, S.E. 39 Victoria Street, S.W.
1878 May 7. ROFE, HENRY .. .. ..	{ 8 Victoria Street, S.W. (Filliter Rofe, London.) }
† 1878 May 7. ROFF, GEORGE LENTON .. ..	{ 1 The Mansions, Earl's Court Road, S.W.
1899 Dec. 5. } ROGERS, ARTHUR BURDEN 1901 Mar. 5. CAMPBELL .. .. ..	{ Municipality, Agra, N.W.P., India. Trent Canal, Peterborough, Ont., Canada.
1880 Dec. 7. ROSE, WILMOT JAMES .. .. .. † 1880 May 25. ROSS, ALEXANDER .. .. .. 1882 Dec. 5. } ROSS, DAVID JAMES .. .. 1895 Jan. 15. }	{ Govt. Rys., Cradock, Cape Colony. G. N. Ry., King's Cross, N. Engineer's Office, Guildhall, E.C.
1886 Jan. 12. ROTHERAM, THOMAS FORTH .. 1860 Apr. 3. ROUSE, HENRY JAMES .. .. .. 1894 Jan. 9. ROUTH, REGINALD SAMUEL JOHN	{ Woodthorpe, Mount Street, Perth, Western Australia. 13 Sussex Place, Regent's Park, N.W. Assam-Bengal Ry., Haflong, Cachar, India.
1895 Feb. 5. ROUTLEDGE, WILLIAM HENRY	Woodfield Park, Blackwood.
1898 Dec. 6. ROWAN, JAMES .. .. ..	231 Elliot Street, Glasgow.
t † 1888 Dec. 4. ROWLANDSON, CHARLES ARTHUR	Great Central Ry., Manchester.
1884 Dec. 2. ROWLEY, WALTER .. .. ..	{ 20 Park Row, Leeds. (Walter Rowley, Leeds.) }
1883 Dec. 4. } ROY, Rai MADHUBCHUNDER, 1881 Dec. 6. Bahadur, B.A., B.C.E. 1896 Mar. 10. RUMSBY, ERNEST JAMES ..	{ 69 Baneapooker Road, Intally, Calcutta. 13 Landgrove Road, Wimbledon Park. 60 Marlborough Mansions, West Hampstead, N.W.
1875 Dec. 7. RUNDALL, JAMES WILLIAM ..	{ 15 Victoria Street, S.W.
1881 Dec. 6. RUSSELL, JOHN .. .. ..	Salisbury House, London Wall, E.C.
1885 Feb. 3. RUSSELL, NORMAN SCOTT ..	City Engineer, Winnipeg, Canada.
1888 Feb. 7. RUTTAN, HENRY NORLANDE ..	{ West Middlesex Waterworks, Ham- mersmith, W.
† { 1886 Apr. 6. } * RUTTER, HENRY FILLMER .. 1901 Feb. 19. }	{ 22 Nassau Street, Dublin. (Mic, Dublin.) c/o Agent-General for N.S.W., Victoria Street, S.W.
1884 May 6. } RYAN, JOHN HENRY, 1887 Dec. 6. RYAN, ROBERT HENRY .. ..	{ e/o Agent-General for N.S.W., Victoria Street, S.W.

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## MEMBERS.

	1894 May 1.	SADLER, HENRY WILLIAM ..	G.N.Ry., Eng.'s Office, King's Cross, N.
†	1877 Feb. 6.	ST. GEORGE, PERCIVAL WALTER ..	151 St. James's Street, Montreal, Canada.
	1887 Feb. 1.		
	1887 May 24.	SAISE, WALTER, D.Sc. ( <i>Lond.</i> ) ..	East Indian Ry., Giridih, Bengal.
	1878 Apr. 2.	SALTER, JOHN .. .. ..	10 Montrose Avenue, Redland,
	1879 Apr. 8.		Bristol.
	1888 Dec. 4.	SAMPSON, JOHN .. .. ..	36 Victoria Street, S.W.
	1893 Mar. 28.		
T t	1869 May 4.	{ SAMUELSON, <i>Right Hon. Sir</i> BERNHARD, <i>Bart.</i> , P.C., F.R.S. } ..	56 Prince's Gate, S.W.
	1882 Dec. 5.	SAMUELSON, ERNEST .. ..	Bodieote Grange, Banbury.
	1893 Mar. 14.		
	1862 Dec. 2.	SAMUELSON, MARTIN .. ..	Hull.
T t	1866 Dec. 4.	{ SANDBERG, CHRISTER PETER ..	9 Bridge Street, Westminster, S.W.
	1894 Nov. 7.		(Sandberg, London.)
C	1888 Feb. 7.	*SANDEMAN, EDWARD .. ..	Derwent Valley Water Board, Bam-
	1897 Jan. 12.		ford, Sheffield.
†	1873 Feb. 4.	SANDEMAN, JOHN WATT ..	{ 2 St. Nicholas Buildings, Newcastle- on-Tyne.
	1881 Feb. 1.	SANDIFORD, CHARLES .. ..	Uganda Ry., Mombasa, East Africa.
†	1890 Dec. 2.	*SANER, JOHN ARTHUR .. ..	Weaver Navigation, Northwich.
T t	1896 Nov. 24.	{ SANKEY, MATTHEW HENRY ..	Victoria Works, Rugby. [Rio.]
	1895 Feb. 5.	PHINEAS RIALL, <i>Capt. R.E. ret.</i> ..	
	1882 Dec. 5.	SANTOS, JOSÉ AMÉRICO DOS ..	Caixa 748. Rio de Janeiro. (Zamerico,
†	1876 Jan. 11.	*SAWYER, ERNEST EDWARD, ..	20 Devonshire Terrace, Lancaster
	1880 Dec. 21.	M.A. ( <i>Cantab.</i> ) .. .. ..	Gate, W.
	1877 May 29.	SAWYER, FREDERIC HENRY READ ..	1 Athol Villas, Station Road, Red
	1887 Nov. 15.		Hill.
	1885 May 19.	SCHENK, AUGUSTUS OSWALD ..	Harbour Office, Swansea.
	1896 Feb. 4.	{ SCHNOOR, EMILIO ARMANDO ..	Rua S. Bento 30, São Paulo, Brazil.
		HENRIQUE .. .. ..	
	1891 Feb. 3.	SCHUYLER, JAMES DIX .. ..	{ Stimson Building, Los Angeles, Cali- fornia, U.S.
	1883 Dec. 4.	SCOONES, THOMAS JAMES ..	8 Unity St., College Green, Bristol.
	1888 Feb. 21.		
	1889 May 21.	*SCORGIE, NORMAN .. ..	Town Hall, Hackney, N.E.
	1901 Feb. 19.	SCORRAR, JORGE BLACK ..	{ Rua Duque de Caxias 20, São Paulo, Brazil.
t	1890 Apr. 1.	{ SCOTT, ADAM .. .. ..	Admiralty Works, Gibraltar.
	1897 Mar. 2.		
	1896 Dec. 1.	{ SCOTT, FREDERICK WILLIAM ..	P.W.D., Nagpur, C.P., India.
		MORTIMER .. .. ..	
	1892 Feb. 2.	SCOTT, GEORGE HALL .. ..	Keyham Dockyard Extension,
	1900 Dec. 18.		Devonport.
	1901 Apr. 2.	SCOTT, JOHN .. .. ..	District Engineer, Port Commission,
			Calcutta.
	1888 Mar. 6.	SCOTT, JOHN, C.B. .. ..	Halkhill, Largs, Ayrshire.
	1870 May 3.	SCOTT, PETER .. .. ..	S. Mahrratta Ry., Dharwar, Bombay.
	1888 Jan. 10.	*SCOTT, <i>Professor</i> ROBERT ..	Canterbury College, Christchurch,
	1899 Dec. 12.	JULIAN .. .. ..	N.Z.
	1872 May 7.	SCOTT, WALTER HENRY ..	Park Road, East Molesey.
	1891 Feb. 3.	SCOTT, WILLIAM BELLHOUSE ..	Eversley Cottage, Middleton, Lancs.
	1870 Dec. 6.	SCOTT, WILLIAM GEORGE ..	26 Dingle Lane, Liverpool.
	1877 Oct. 30.		
	1873 Jan. 14.	SCOTT, WILLIAM HENRY ..	Casterton, Victoria.
	1885 Dec. 15.		
†	1885 Dec. 1.	SEATON, ALBERT EDWARD ..	25 Victoria Street, S.W.
	1881 Jan. 11.	SEATON, EDWARD PARKE ..	8 Princes Street, Westminster, S.W.
	1892 Mar. 15.		
	1880 Dec. 7.	SELF, NORMAN .. .. ..	279 George Street, Sydney, N.S.W.
	1884 May 6.	{ SELLERS, COLEMAN, ..	1304 Stephen Girard Building,
		D.E. ( <i>Stevens Inst., N.J., U.S.</i> ) ..	Philadelphia, U.S.

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## MEMBERS.

1887 Dec. 6.	SELLERS, WILLIAM .. ..	Philadelphia, U.S.
1882 Feb. 7.	*SELLS, CHARLES DE GRAVE ..	Cornigliano, Ligure, Italy.
1895 Nov. 5.		
1864 Feb. 2.	SEWELL, PHILIP EDWARD ..	Clare House, Norwich.
1878 Feb. 5.	{ SEWELL, WILLIAM .. ..	{ Manor Office, North Bridge Street,
1896 Feb. 11.		{ Sunderland.
T t ♫ 1880 Jan. 13.	SEYRIG, THEOPHILUS .. ..	43 Rue de Rome, Paris.
1877 May 29.	*SHADBOLT, ERNEST IFILL ..	Grindlay, Groom & Co., Bombay.
1890 Nov. 11.		
T t ♫ 1893 Dec. 5.	SHANKLAND, EDWARD CLAPP	The Rookery, Chicago, Ill., U.S.A.
1872 May 14.	{ SHANKS, ARTHUR .. ..	Heath Place, Cowden, Kent.
1884 Mar. 11.		
1880 May 4.	*SHARP, FREDERICK .. ..	{ c.o. H. S. King & Co., 65 Cornhill,
1896 Feb. 25.		{ E.C.
1862 Feb. 4.	{ SHARP, JOSEPH FOX .. ..	Langford House, Scarborough.
1876 Jan. 11.		
1877 Dec. 4.	{ SHAW, ARTHUR EDMUND .. ..	{ Sumner & Co., Calle Chacabuco 355,
1882 Feb. 14.		{ Ciudad de Buenos Aires, Argentina.
1879 Feb. 4.	*SHAW, SAM .. .. ..	Dewsbury.
1899 Mar. 7.		
1902 Jan. 14.	{ SHAW, WILLIAM ROBERT, .. ..	c.o. H. S. King & Co., 45 Pall Mall,
	{ M.E. (Royal) .. .. ..	S.W.
t ♫ 1845 May 6.	SHEARS, WILLIAM .. .. ..	23 Kempshott Road, Streatham, S.W.
1877 May 8.		
1885 Dec. 1.	SHEDLOCK, OCTAVIUS JAMES ..	{ Grindlay & Co., Parliament St.,
1894 Nov. 6.		{ S.W.
† 1856 Apr. 1.	SHEILD, FRANCIS WEBB WENT-	Brentwood, Sholing, Southampton.
† 1859 Dec. 6.	WORTH- .. .. ..	
1892 Jan. 12.	SHELDON, WILLIAM JOHN ..	São Paulo Ry., São Paulo, Brazil.
1900 Dec. 19.		
† 1897 Mar. 2.	*SHELFORD, FREDERIC, .. ..	{ 35A Great George Street, S.W.
† 1902 Feb. 11.	B.Sc. (Lond.) .. .. ..	{ (Usefulness, London.)
T t W ♫ 1866 Apr. 10	{ SHELFORD, WILLIAM, C.M.G. ..	{ 35A Great George Street, S.W.
	{ (Member of Council.)	{ (Usefulness, London.)
† 1882 Dec. 5.	*SHELLSHEAR, WALTER .. ..	Ry. Dept., Goulburn, N.S.W.
† 1892 May 3.		
1888 Feb. 7.	SHERLOCK, HENRY ALEXANDER ..	G. E. Ry., Cambridge.
1893 Apr. 18.	GEORGE .. .. ..	
1875 Dec. 7.	SHERMAN, WILLIAM HANBURY ..	Grindlay & Co., Parliament St., S.W.
1882 Nov. 7.	PETTINGAL .. .. ..	
1867 Apr. 2.	SHERVINTON, THOMAS ROBERT ..	14 Earl's Court Square, S.W.
1885 Dec. 1.	*SHIELD, ARTHUR HINDHAUGH ..	35A Great George Street, S.W.
1901 Dec. 11.		
1866 Jan. 9.	SHIELD, HENRY .. .. ..	Fawcett, Preston & Co., Liverpool.
1870 Dec. 6.		
† 1871 Mar. 7.	*SHIELD, WILLIAM, F.R.S.E. ..	59 Thurloe Park Road, Dulwich,
† 1879 Jan. 14.		{ S.E.
1889 May 7.	SHIELD, WILLIAM .. .. ..	19 North Side, Clapham Common,
		{ S.W.
1896 Feb. 4.	SHIPP, WILLIAM .. .. ..	12 Frere Road, Kirkee, Poona, India.
t ♫ 1864 Feb. 2.	{ SHOOLBRED, JAMES NELSON, ..	32 Victoria Street, S.W.
1876 May 9.	{ B.A. (Lond.) .. .. ..	
1891 Dec. 1.	*SHOOSMITH, HARRY .. .. ..	Ormiston, Erith, Kent.
1900 Jan. 23.		
1877 Dec. 4.	*SHORES, JOHN WALLIS, C.M.G. ..	{ Chief Engineer, Govt. Rys., Maritz-
1890 Mar. 18.		{ burg, Natal.
1877 May 1.	SHORTT, CHARLES HENRY ..	225 Westcombe Hill, Blackheath,
1893 Mar. 28.		{ S.E.
1887 Dec. 6.	*SIBBERING, GEORGE THOMAS ..	{ Engineer, Taff Vale Railway, Car-
1896 Mar. 31.		{ diff.
t ♫ 1869 Feb. 2.	SICCAMA, HARCO THEODORUS ..	Yvoire par Nernier, Haute Savoie,
1879 Jan. 28.	HORA .. .. .. ..	France.

Date of Election  
and of Transfer.

## MEMBERS.

T t ♫	1873 Feb. 4.)	*SIEMENS, ALEXANDER	..	12 Queen Anne's Gate, S.W. (Siemens, London. Westminster 99.)
	1890 Nov. 25.)	(Member of Council)	.. ..	
1870 May 24.)	SIEMENS, CARL	.. ..	..	10 Park Row, Leeds. (Theodolite, Leeds.)
1887 Feb. 1.)	*SILCOCK, EDWARD JOHN	..	..	
1901 Feb. 26.)				
1888 Apr. 10.)	*SILK, ALBERT EDWARD	..	Bengal Secretariat, Calcutta.	
1897 Nov. 30.)				
1879 Feb. 4.)	SILVA, DOMINGOS SERGIO DE	..	Rua do Riahauelo 125, Rio de Janeiro.	
1888 Feb. 14.)	SABOIA E	.. ..	..	
1880 Feb. 3.)	SIM, CHARLES LOUIS	.. ..	Jaunpur, N.W.P., India.	
1891 Dec. 8.)				
1883 May 1.)	SIMMONS, JOHN	.. ..	Bank Chambers, Doncaster.	
1890 Nov. 11.)				
1881 May 3.)	SIMON, FREDERICK	.. ..	4 Colville Gardens, Bayswater, W.	
1868 Feb. 4.)	SIMPSON, ARTHUR TELFORD	..	38 Parliament Street, S.W.	
1874 Apr. 14.)				
1875 Jan. 12.)	SIMPSON, BENJAMIN CRISPIN	..	12D Portman Mansions, W.	
1888 Jan. 17.)				
1882 May 2.)	SIMPSON, DAVID CARNEGY	..	Govt. Rys., Redfern, Sydney, N.S.W.	
1893 Feb. 7.)				
1885 May 19.)	SIMPSON, JAMES THOMAS	..	P.W.D., Toungoo, Burma.	
1870 Feb. 1.)	SIMPSON, JOHN BELL	.. ..	Bradley Hall, Wylam-on-Tyne.	
1887 Mar. 1.)	*SIMSON, DAVID	.. ..	{ Casilla de Correo 741, F.C. Oeste, Buenos Aires.	
1897 Nov. 30.)				
1879 Dec. 2.)	SINGLE, JOHN GODFREE	.. ..	1 The Esplanade, Plymouth.	
1885 Nov. 10.)				
1876 Mar. 7.)	*SKETCHLEY, HENRY GOULTON		F. C. del Sud, Buenos Aires.	
1888 Nov. 27.)				
1861 Dec. 3.)	SLESSOR, FREDERICK GEORGE		Easterlands, Wellington, Somerset.	
1865 Jan. 17.)				
1888 Feb. 7.)	SMAIL, JOHN MOORE	.. ..	{ Water Supply & Sewerage Dept., Sydney, N.S.W. [N.S.W.	
1897 Dec. 7.)	SMALL, FREDERICK HENRY	..	Wellington Street, Bondi, Sydney,	
1886 Feb. 2.)	*SMELT, JOHN DANN	.. ..	{ Argentine Great Western Ry. Co., River Plate House, Finsbury	
1899 Jan. 17.)			Circus, E.C. (Azodnem, London.)	
1882 Dec. 5.)	SMITH, EDMUND CASWELL	..		
1888 Nov. 20.)	BOWYER	.. ..	Armidale, N.S.W.	
1876 May 30.)	SMITH, ALEXANDER	.. ..	3 Newhall Street, Birmingham.	
1878 May 14.)				
1894 Dec. 4.)	*SMITH, ALEXANDER ARTHUR	..	2 The Oaks, Sunderland.	
1902 Apr. 29.)	DALRYMPLE, M.Sc.(Durham)	..		
1882 Mar. 7.)	SMITH, ARTHUR KEEN	.. ..	{ Charlton, Lonsdale Road, Barnes, S.W.	
1900 Mar. 27.)				
1885 Feb. 3.)	*SMITH, CECIL ARCHIBALD	..	Trevandrum, Travancore, India.	
1901 Dec. 11.)				
1885 Jan. 13.)	SMITH, CHARLES WALTER	..	{ Metropolitan Board of Water Supply and Sewerage, Sydney, N.S.W.	
1895 Oct. 22.)				
1877 Feb. 6.)	SMITH, EDWARD BLAKEWAY	..	Etruria, Stoke-on-Trent.	
1891 Jan. 27.)				
1889 May. 7.)	*SMITH, EDWARD MARTIN	..	{ L. & N.W. Ry., Vauxhall, Birming- ham.	
1895 Mar. 26.)				
1872 May 7.)	SMITH, FRANCIS FREDERICK	..	59 Windsor Road, Ealing, W.	
1879 Nov. 11.)				
1884 Dec. 2.)	SMITH, HENRY	.. ..	101 Grosvenor Road, S.W.	
1893 Nov. 14.)				
1887 Feb. 1.)	SMITH, HENRY BADELEY	..	Rossland, British Columbia.	
1889 May 14.)				
1881 Dec. 6.)	*SMITH, HERBERT BLOMFIELD		20 Alleyn Terrace, West Dulwich, S.E.	
1896 Mar. 17.)			{ Chatsworth, The Mansions, George Street, Brisbane, Queensland.	
1880 May 25.)	SMITH, Hon. JAMES THORNELOE			
1891 May 5.)	*SMITH, JOHN, B.E. (Royal)	..	County Surveyor, Ballinasloe, Ire-	
1897 Jan. 12.)			land.	

Date of Election and of Transfer.	MEMBERS.	
t † 1868 Mar. 3.	SMITH, JOSIAH TIMMIS .. ..	Rhine Hill, Stratford-on-Avon.
† { 1866 May 1. 1874 May 5.	SMITH, MARCUS .. ..	Ottawa, Canada.
† { 1885 Dec. 1. 1892 Nov. 1.	SMITH, WALTER ALEXANDER ..	{ Roads & Bridges Dept., Sydney, N.S.W.
† 1874 Jan. 13.	SMITH, WILLIAM .. ..	{ Gatelands South Drive, Victoria Park, Wavertree, Liverpool.
1877 Jan. 16. 1889 Jan. 15.	SMITH, WILLIAM ARCHIBALD ..	Punchard, Lowther&Co., 151 Cannon Street, E.C.
1891 Jan. 13. 1901 Mar. 5.	SMITH, WILLIAM CHARLES ..	6 Waterloo Place, S.W.
† 1884 Dec. 2.	CLIFFORD .. ..	
1884 Dec. 6.	SMITH, WILLIAM ROSE ..	159 Victoria Street, S.W.
1889 Mar. 5.	SMYTH, THOMAS DIXON ..	Royal Societies Club, St. James's St., S.W.
1883 Mar. 6.	SOARES, JOÃO TEIXEIRA ..	Estacion Central, Santiago, Chile.
1897 Dec. 7.	SOLIANI, NABOR .. ..	Banco do Commercio, Rio de Janeiro.
1889 Apr. 6.	SOPWITH, ARTHUR .. ..	Brescello, Emilia, Italy.
† 1875 May 4.	{ SPAGNOLETTI, CHARLES ERNEST PAOLO DIANA .. ..	Chasetown, Walsall.
1879 Dec. 2.	SPALDING, WILLIAM HENRY ..	2 Craven Terrace, Ealing, W.
1891 Mar. 6.	SPARKS, CHARLES PRATT ..	The Laurels, Silverton, Exeter.
1900 Jan. 30.	SPARKS, CHARLES PRATT ..	Bayonne, Dilton Hill, Surbiton.
† 1867 Dec. 3.	SPENCER, JOHN FREDERICK ..	{ 91 Haworth's Buildings, Manches- ter. (Concentration, Manchester.)
1883 Jan. 9. 1902 Jan. 28.	*SPINKS, WILLIAM .. ..	39 Prudential Buildings, Leeds.
1882 May 23. 1896 May 12.	SPOONER, CHARLES EDWIN, (P.W.D., Kwala Lumpor, Selangore, B.A.I. ( <i>Dubl.</i> ) .. ..	{ S.S.
1895 Mar. 5.	SPRAGUE, FRANK JULIAN ..	15 Wall Street, New York, U.S.
1881 Dec. 6.	SPRING, FRANCIS JOSEPH ..	Consulting Engineer for Railways,
1885 May 19.	EDWARD, C.I.E. .. ..	Madras.
1889 May 7.	*SQUIRE, WILLIAM WILKINSON ..	Docks, Cumberland Basin, Bristol.
1882 Feb. 7. 1885 Feb. 3.	STABLES, HENRY LEONARD ..	{ c.o. Royal Colonial Institute, North- umberland Avenue, W.C.
1877 Dec. 4.	STAFFORD, FREDERICK ..	Midland Railway, Perth, Western Australia.
1884 Oct. 14.		
1891 Dec. 1.	*STANFIELD, Professor RICHARD.	Heriot-Watt College, Edinburgh.
1900 Dec. 18.	F.R.S.E. .. ..	
† 1874 Feb. 3. † 1890 Nov. 11.	STANGER, WILLIAM HARRY ..	{ Broadway Testing Works, West- minster, S.W. (Westminster 117.)
1897 Feb. 2.	STANKE, JULIUS .. ..	Cuixa 317, Rio de Janeiro.
T t † 1877 May 29.	STANLEY, HENRY CHARLES ..	Mutual Provident Chambers, Edward Street, Brisbane, Queensland.
1859 Dec. 6.	STANLEY, WALMSLEY .. ..	{ The Knowle, Leigham Court Road, Streatham, S.W.
1886 Dec. 7.	*STANSFIELD, ALFRED WOL-	10 Middleton Villas, Ilkley.
1901 Feb. 5.	RYCHE .. ..	
1860 Dec. 4.	STANTON, JOHN HARRISON ..	Stubb House, Winston, Darlington.
† 1892 Dec. 6.	{ STANTON, ROBERT BREWSTER, M.A. ( <i>Miami Univ., Ohio</i> ) ..	Sewickley, Penn., U.S.
1883 Dec. 4.	STAUFFER, DAVID MCNEELY ..	St. Paul Building, New York, U.S.
m † 1878 Apr. 2. 1884 Nov. 25.	STAYTON, GEORGE HENRY ..	Kaima, Cedar Road, Sutton, Surrey.
1870 Feb. 1.	STEAD, WALKER .. ..	County Surveyor, Northallerton.
1881 May 3.		
1892 Dec. 6.	{ STEAVENSON, ADDISON LANG- HORNE .. ..	Durham.
1896 Dec. 1.	STELFOX, JAMES .. ..	Gasworks, Belfast.
1900 Mar. 6.	STEIGER, ALPHONSE .. ..	28 Victoria Street, S.W.
1881 Jan. 11.	*STEPHENS, GEORGE HENRY ..	Oaklea Warren, Newick, Sussex.
1894 Jan. 9.	{ STEPHENSON, GEORGE RO- BERT ( <i>Past-President.</i> ) ..	Ben Braich, Tilehurst Rd., Reading.
1853 May 24.		

Date of Election and of Transfer.	MEMBERS.	
1883 Feb. 6.	STEVENS, HENRY WANSBOROUGH	3 Hastings Street, Calcutta.
1887 Feb. 1.)	STEVENSON, CHARLES ALEX-	
1891 Apr. 28.)	ANDER, B.Sc. ( <i>Edin.</i> ) F.R.S.E.	84 George Street, Edinburgh.
1884 May 6.)	STEVENSON, DAVID ALAN,	
1886 Dec. 7.)	B.Sc. ( <i>Edin.</i> ), F.R.S.E. ..	
1881 Mar. 1.)	STEVENSON, EDMUND HERBERT	{ 38 Parliament Street, S.W. (Hol-
1889 Jan. 22.)	.. ..	meter, London.)
1881 Mar. 1.)	STEVENSON, FLETCHER WILSON	Gasworks, Coventry.
1889 Jan. 22)	.. ..	
1897 Feb. 2.)	STEWART, ABRAHAM McCUSA-	Shipquay Street, Londonderry.
1890 May 20.)	LAND, B.A.I. ( <i>Dubl.</i> ) .. ..	{ J. W. Stewart, 150 Hope Street,
1898 Apr. 26.)	STEWART, ALEXANDER .. ..	{ Glasgow.
1883 Apr. 3.)	STEWART, CHARLES EDWARD ..	{ c.o. National Club, Whitehall Gar-
1900 Mar. 26.)	.. ..	dens, S.W.
1875 Dec. 7.)	STEWART, HOUSTON STEWART	27 Cannon Street, E.C.
1893 Feb. 21.)	STEWART, JAMES .. ..	Auckland, N.Z.
1868 Jan. 14.)	STEWART, JAMES .. ..	
1877 Mar. 27.)	.. ..	
1880 May 25.)	STEWART, JOHN TIFFIN .. ..	Haumoana, Aramoho, Wanganui, N.Z.
1883 Feb. 6.)	*STEWART, THOMAS .. ..	{ 6 St. George's Chambers, Cape Town,
1893 May 2.)	(Member of Council.)	{ C.C.
1877 May 29.)	*STILEMAN, FRANK .. ..	1 Victoria Street, S.W.
1883 May 1.)	.. ..	
1886 Dec. 7.)	STIRLING, JAMES .. ..	Belmore, Ashford, Kent. [Hull.
1891 Feb. 3.)	STIRLING, MATTHEW .. ..	Hull & Barnsley Ry., Spring Head,
1898 Jan. 11.)	STIRLING, ROBERT .. ..	Baku, Russia.
1894 Dec. 4.)	STIRRAT, JOHN .. ..	Municipal Engineer, Rangoon,
1891 May. 5.)	.. ..	{ Burma.
1898 Nov. 29.)	STOCKMAN, BENJAMIN .. ..	Hey Tor, Torrington Park, North
1855 Mar. 6.)	STOCKMAN, BENJAMIN PRYOR	{ Finchley, N.
1880 Feb. 10.)	.. ..	82 Victoria Street, S.W.
1874 May 5.)	*STONE, EDWARD HERBERT ..	{ Chief Engineer, East Indian Ry.,
1885 Feb. 24.)	.. ..	Calcutta.
1858 Jan. 12.)	STONEY, BINDON BLOOD,	
1863 Nov. 17.)	LL.D. ( <i>Dubl.</i> ), F.R.S. .. ..	14 Elgin Road, Dublin.
t t ✕ 1875 May 4.)	STONEY, EDWARD WALLER, M.E. ( <i>Queen's</i> ) .. ..	Chief Engineer, Madras Railway,
	.. ..	{ Royapuram, Madras.
1896 Feb. 4.)	STONEY, GEORGE GERALD ..	Oakley, Heaton Road, Newcastle-
1900 Dec. 19.)	.. ..	on-Tyne.
1878 Mar. 5.)	STOREY, HENRY FRANCIS ..	6 Albert Rd, Clifton, Bristol.
1886 May 18.)	*STOREY, WILLIAM JOHN ..	
1893 Oct. 3.)	PATRICKSON .. ..	Darwen Iron Co., Mostyn, Flints.
1876 Feb. 1.)	STORY, JOHN SOMES .. ..	Market Place, Derby.
1861 Dec. 3.)	.. ..	
1877 Oct. 30.)	STOTHERT, GEORGE KELSON ..	Steamship Works, Bristol.
1888 Dec. 4.)	*STOTHERT, PERCY KENDALL ..	The Grange, Bradford-on-Avon.
1900 Jan. 30.)	.. ..	
1886 Jan. 12.)	STRACHAN, GEORGE RICHARD-	7 Victoria Street, S.W.
1894 Nov. 27.)	SON .. .. .. .. ..	
1892 Jan. 12.)	STRACHEY, RICHARD SHOLTO ..	17 Clifton Park, Clifton, Bristol.
1899 Dec. 12.)	.. ..	
1875 May 4.)	STRAIN, JOHN .. ..	154 West George Street, Glasgow.
1882 Mar. 7.)	(Member of Council.)	
t ✕ 1883 May 29.)	*STRANGE, WILLIAM LUMISDEN	King, King & Co., Bombay.
1898 Nov. 29.)	.. ..	
1876 May 2.)	STRIDE, ARTHUR LEWIS ..	{ L. T. & S. Ry., Fenchurch St., E.C.
1877 Nov. 27.)	.. ..	{ Letser, London. Avenue 4376.)
1889 Apr. 2.)	STROBEL, CHARLES LEWIS ..	{ 1744 Monadnock Block, Chicago, Ill.,
T t ✕ 1885 Dec. 1.)	STROMEYER, JOHANN PHILIP	U.S.
1897 Nov. 30.)	EDMOND CHARLES .. ..	Steam Users' Association, 9 Mount
		Street, Manchester.

Date of Election  
and of Transfer.

## MEMBERS.

	1875 Dec. 7.	STRONG, EDWARD GRAY .. ..	Stockwell House, London Rd., Ten- bridge Wells.
	1894 Dec. 4.	STUART, CHARLES McDONNELL	Govt. Rys., Sydney, N.S.W.
W t	{ 1880 Dec. 7.) *STUART, ROBERT HENRY FRE-	DERICK .. .. .. ..	F.C.G.O.A., Mendoza, Argentina.
	{ 1891 Feb. 3.)		
	1882 Mar. 7.)	*SUMMERS, THOMAS, D.Sc. ( <i>Edin.</i> )	King, King & Co., Bombay.
	1894 Oct. 30.)		
	1882 Jan. 10.)	*SUMNER, HERBERT GEORGE ..	{ R. P. Sumner, King Street, Gloucester.
	1900 Apr. 3.)		
	1883 May 1.)	SUTCLIFFE, FREDERIC JOHN	52 Ashgrove, Bradford.
	1896 Mar. 24.)	RAMSBOTTOM .. .. ..	
W t	{ 1877 Dec. 4.)	SUTCLIFFE, GEORGE WILLIAM	Whingarth, Marple, Stockport.
	{ 1893 Nov. 14.)	SWAIN, Professor GEORGE	Massachusetts Institute of Techno- LOGY, Boston, Mass., U.S.A.
	1902 Feb. 4.)	FILLMORE .. .. .. ..	
	1885 Apr. 14.)	SWAN, ARCHIBALD ALEXANDER,	
	1896 May 19.)	B.Sc. ( <i>Glas.</i> ) .. .. ..	Swan & Maclaren, Singapore, S.S.
	1896 Dec. 1.)	SWAN, HENRY FREDERICK, C.B.	North Jesmond, Newcastle-on-Tyne.
W t	{ 1883 Dec. 4.)	SWARBRICK, JOSEPH .. .. ..	30 St. Ann's Street, Manchester.
	{ 1899 Nov. 28.)		
	1878 Dec. 3.)	SWINEBURN, JOHN .. .. ..	L.&Y.Ry., Eng.'s Office, Manchester.
W t	{ 1893 Mar. 7.)	SWINBURNE, JAMES .. .. ..	{ 82 Victoria Street, S.W. (West- minster 292.)
	{ 1894 Apr. 10.)		
	1875 Jan. 12.)	SWINDELLS, RUPERT .. .. ..	{ 22 Oxford Road, Birkdale, South- port.
	1883 Jan. 22.)		
	1886 Dec. 7.)	*SWINDELEHURST, JOSEPH EAVES	City Engineer, Coventry.
	1900 Apr. 10.)		
	1877 Feb. 6.)	SWINDELEHURST, ROBERT HENRY	Town Hall, Bolton.
	1885 Dec. 1.)		
	1889 May 21.)	SWINEY, JOHN HARRIS	83 Royal Avenue, Belfast.
	1894 May 8.)	HAZLETT, B.A.I. ( <i>Dubl.</i> ) ..	
	1890 Jan. 14.)	*SWINTON, ALAN ARCHIBALD	66 Victoria Street, S.W. (Dunamis, London, Westminster 156.)
	1898 Dec. 6.)	CAMPBELL .. .. .. ..	
	1879 May 27.)	SYKES, BENJAMIN .. .. ..	33 Winclebury Square, Preston. (28.)
	1880 Feb. 3.)	SYKES, GEORGE HENRY,	Glencoe, Elmbourne Road, Tooting
	1886 Nov. 9.)	M.A. ( <i>Dubl.</i> ) .. .. ..	Common, S.W.
	1876 Feb. 1.)		
	1887 Nov. 8.)	SYMONS, BRENTON .. .. ..	5 Kew Gardens Road, S.W.
T t	{ 1883 Feb. 6.)	*SZLUMPER, ALFRED WEEKS ..	{ L. & S. W. Ry., Clapham Junction, S.W.
m t	{ 1890 Apr. 29.)		
	1864 Dec. 6.)	SZLUMPER, Sir JAMES WEEKS	17 Victoria Street, S.W.
	1867 May 21.)		
	1888 Apr. 10.)	SZLUMPER, WILLIAM WEEKS ..	17 Victoria Street, S.W.
	1896 Jan. 21.)		
	1870 Mar. 1.)	TAIT, GEORGE HUNTER .. ..	15 Lowfield Street, Dartford.
	1876 Dec. 12.)		
m t	{ 1891 Dec. 1.)	*TAIT, WILLIAM ARCHER	{ Leslie & Reid, 72A George Street, Edinburgh.
	{ 1897 Mar. 2.)	PORTER, B.Sc. ( <i>Edin.</i> ) ..	
	1893 Apr. 11.)	TALBOT, ERNEST .. .. ..	26 Victoria Street, S.W.
	1902 Feb. 11.)		
	1862 May 6.)	TANNER, JOHN EDWARD, C.M.G.	91 Warwick Rd., Earl's Court, S.W.
	1885 May 19.)	{ TANNETT-WALKER, ARTHUR	{ Leeds. (Tannett-Walker, Leeds. 515.)
		{ TANNETT .. .. .. ..	
	1891 Feb. 3.)	{ TANNETT-WALKER, FREDERICK	{ Leeds. (Tannett-Walker, Leeds. 515.)
		{ WILLIAM .. .. .. ..	
	1897 Feb. 2.)	{ TAPAJOS, TORQUATO XAVIER	Rua Hospicio 27, Rio de Janeiro.
		{ MONTEIRO .. .. .. ..	
	1885 Apr. 14.)	*TARBUTT, PERCY .. .. ..	23 St. Swithin's Lane, E.C.
	1888 Dec. 18.)		

Date of Election  
and of Transfer.

## MEMBERS.

1875 Dec. 7.)	TATE, JOHN .. .. .. ..	P. W. Secretariat, Bombay.
1879 Nov. 4.)		
t ✠ {1887 Jan. 11.)	TATTON, REGINALD ARTHUR ..	44 Mosley Street, Manchester.
1891 Apr. 21.)		
1898 Dec. 6. TAYLOR, ARTHUR .. .. .. ..	71 Edith Road, West Kensington, W.	
1881 Feb. 1.) *TAYLOR, EDWARD BROUGH ..	{ 27 Great George Street, S.W. (Waterage, London.)	
1890 Feb. 4.)		
1887 Apr. 5.) *TAYLOR, GOTFRED MIDGLEY ..	{ 27 Great George Street, S.W. (Waterage, London.)	
1898 Feb. 8.)		
1887 Dec. 6.) *TAYLOR, HAROLD BLAKE,	22, Cromwell Crescent, Kensington, S.W.	
1896 Nov. 16.) F.C.H. .. .. .. ..		
1884 May 27. TAYLOR, HENRY ENFIELD ..	{ 15 Newgate St., Chester. (Enfield Taylor, Chester.)	
1869 Dec. 7.) TAYLOR, HERBERT ARNAND ..	4 Great Winchester Street, E.C.	
1882 Feb. 14.)		
1880 Mar. 2.) *TAYLOR, JAMES NAAMAN ..	{ Engineer's Office, G.W.Ry., Pad- dington, W.	
1900 Jan. 30.)		
1884 Apr. 1. TAYLOR, JOHN .. .. .. ..	6 Queen St. Place, E.C. (Bank 828.)	
1880 Dec. 7.) TAYLOR, JOHN HENRY ..	Borough Surveyor, Barnsley.	
1899 Jan. 10.)		
1886 Apr. 6.) *TAYLOR, WALTER .. .. .. ..	{ Throstle Nest House, Old Trafford, Manchester.	
1896 Nov. 24.)		
1893 Mar. 7.) *TAYLOR, WILLIAM OSWALD ..	Bengal-Nagpur Railway, Calcutta.	
1901 Dec. 11.)		
1886 Feb. 2.) *TEMPEST, PERCY CROSLAND ..	S.E. Ry., London Bridge Station, S.E.	
1897 Feb. 2.)		
1879 Mar. 4.) *TERRY, STEPHEN HARDING ..	{ 17 Victoria Street, S.W. (Crank- pin, London.)	
1894 Nov. 20.)		
† {1875 Apr. 6.) THELWALL, WALTER HAMPDEN	3 Tokenhouse Buildings, E.C.	
1883 May 22.)		
1878 Mar. 5. THOMAS, HUBERT .. .. .. ..	21 Surrey Street, Strand, W.C.	
1889 Dee. 3.)		
1902 Feb. 18.) THOMAS, ROBERT JOHN .. ..	County Surveyor, Aylesbury.	
† {1882 Feb. 7.) THOMPSON, ARTHUR MOORE ..	L. & N. W. Ry., Crewe.	
† {1887 Feb. 1.)		
† {1886 May 18.) *THOMPSON, HARRY JAMES ..	Madras Ry., Madras.	
† {1893 May 9.)		
1891 Mar. 3.) THOMPSON, JAMES, B.E. ( <i>Royal</i> )	P.W.D., Perth, Western Australia.	
1899 Dec. 12.)		
1890 May 6. THOMPSON, ROBERT .. .. .. ..	{ Metropolitan Gas Co., Melbourne, Victoria.	
1867 Feb. 5. THOMPSON, THOMAS JEFFERSON	Greystones, co. Wicklow.	
{ THOMPSON, WILLIAM GEORGE		
1877 May 29.) MACNEILL .. .. .. ..	St. Catharines, Ontario, Canada.	
1871 Apr. 4.) THOMSON, CAMPBELL .. .. ..	{ Walton Lodge, Beulah Road, Tun- bridge Wells.	
1885 Feb. 24.)		
1895 Apr. 2. THOMSON, Professor ELIHU ..	Lynn, Mass., U.S.	
1889 May 7. THOMSON, GEORGE HUNTINGTON	11 State St., Ossining, New York, U.S.	
1899 Feb. 7. *THOMSON, THOMAS .. .. .. ..	{ The Bungalow, Seaham Harbour, co. Durham.	
1893 May 16.) *THOMSON, THOMAS FRAME ..	{ Winchester House, Old Broad Street, E.C.	
1898 Feb. 22.)		
1880 Dec. 7.) THOMSON, WILLIAM .. .. .. ..	Ronda, Spain.	
1884 Feb. 26.)		
1900 Jan. 9. THORNHILL, BENSLEY .. .. .. ..	Kalka-Simla Ry., Simla, India.	
1870 May 3. THORNHILL, EDWARD BAYLIES	80 Avenue Road, N.W.	
1889 Apr. 2.) THORNHILL, JOSEPH HELEN,	Patrick's Hill, Cork.	
{ M.E. ( <i>Queen's</i> ) .. .. .. ..	Govt. Rys., Uitenhage, Cape Colony.	
1882 Feb. 7.) THORNTON, JOHN MILLER ..	Eyot Villa, Chiswick Mall, W. (Thornycroft, London. Hammer- smith 6.)	
1887 May 3.)		
W S t ✠ {1873 Jan. 14. THORNYCROFT, Sir JOHN	c.o. H. S. King & Co., 45 Pall Mall, S.W.	
{ ISAAC, LL.D. ( <i>Glas.</i> , F.R.S.)	i 2	
{ Member of Council)		
1872 May 7.) *THOROWGOOD, FRANK NAPIER		
1877 Dec. 11.)		

Date of Election  
and of Transfer.

## MEMBERS.

†	1890 Dec. 2.	THOW, WILLIAM	.. .. ..	Govt. Rys., Sydney, N.S.W.
				1886 May 4.) THROPP, JAMES .. .. .. 27 The Bail, Lincoln.
	1889 Jan. 8.)			
	1883 Mar. 6.)	THURSBY, CHARLES RADCLIFFE		Calle Reconquista 20, Buenos Aires.
	1891 Dec. 1.)	THURSFIELD, WILLIAM EDWIN		Gumpoldskirchen, Vienna.
	1881 Dec. 6.)	THWAITES, CHRISTOPHER	..	Burnell Road, Sutton, Surrey.
	1876 Apr. 4.)	THWAITES, HENRY .. .. ..	{ 67 Kidbrooke Park Road, Black-	heath, S.E.
	1898 Apr. 5.			
	1887 Dec. 6.)	THWAITES, WILLIAM,	{	Board of Works, Melbourne, Victoria.
	1889 Nov. 5.)	M.A. (MELB.) .. .. ..	{	Royal Indian Engineering College,
	1898 Apr. 5.	TICKELL, CHARLES .. .. ..	{	Staines.
	1887 Dec. 2.)	*TICKELL, RICHARD EUSTACE	.	Pen-y-Gareg, Rhayader, Rads.
	1901 Apr. 2.)	TILNEY, JOHN DEANE .. .. ..	{	Govt. Rys., East London, Cape Colony.
	1891 Dec. 1.)	TIMME, GEORGE ADOLPHUS ..		
	1894 Oct. 16.)			
	1889 Dec. 3.)	TIMMINS, JOSEPH .. .. ..	Gasworks, Wigan.	
	1898 Nov. 29.)			
	1881 Apr. 5.)	TIMMIS, ILLIUS AUGUSTUS ..	2 Great George Street, S.W.	
	1888 May 8.)			
	1877 Apr. 10.)	*TINGLE, HENRY JOHN .. .. ..	{ 31 Old Queen St., Westminster, S.W.	
	1895 Feb. 12.)			{ (Piezometer, London.)
	1873 Jan. 14.)	TIPLADY, RICHARD .. .. ..	{ Periperi, Highfield Lane, Ports-	
	1889 Feb. 5.)			wood, Southampton.
	1884 May. 6.)	TISDALE, CHARLES JEROME,	{	G. I. P. Ry., Bombay.
	1900 Dec. 19.)	B.A. (Dubl.) .. .. ..	{	
	1889 Jan. 8.)	TOMALIN, HERBERT FREDERICK	P.W.D., Batticaloa, Ceylon.	
	1902 Apr. 15.)			
	1889 May 7.	TOMKINS, WILLIAM STEELE ..	28 Victoria Street, S.W.	
	1885 Apr. 14.)	*TOMLINSON, SAM .. .. ..	Gresham House, Singapore, S.S.	
	1891 Nov. 9.)			{ F. Topp, Rothwells, Little Hulton,
	1890 Feb. 4.)	*TOPP, AUGUSTUS WORTHINGTON		Bolton.
	1884 May 6.	TOWER, BEAUCHAMP .. .. ..	5 Queen Anne's Gate, S.W.	
	1895 Feb. 5.)	*TOWER, WILLIAM .. .. ..	{ Rhodesian Rys., Salisbury, Rho-	
	1899 Nov. 28.)			desia.
	1886 Mar. 2.)	TRAILL, THOMAS WILLIAM ..	40 The Chase, Clapham Common, S.W.	
	1874 Feb. 3.)	TRENCH, LOUIS, B.A. (Cantab.)	{ L. & N. W. Ry., Engineer's Office,	
	1879 Mar. 25.)			Euston, N.W.
	1887 Dec. 6.)	TRYERY, CHARLES ALFRED ..	{ Bahia Blanca and N. W. Ry., 564	
	1892 Nov. 8.)			Cangallo, Buenos Aires.
†	1879 Dec. 2.)	TREVITHICK, FRANCIS HENRY	Alexandra Road, Penzance.	
	1887 May 10.)			
	1881 Apr. 5.)	TREVITHICK, FREDERICK HARVEY	{ Loco. Supt., Egyptian Railways,	
	1891 May 12.)			Cairo.
	1885 May 5.)	TREVITHICK, RICHARD FRANCIS	Imperial Govt. Rys., Kobe, Japan.	
	1883 Dec. 4.)	TREVITHICK, ROBERT LOWTHIAN	Dolvean, Melville Road, Falmouth.	
	1897 Dec. 21.)			
†	1866 Mar. 6.)	TREWBY, GEORGE CARELESS ..	{ Gas Light & Coke Co., Horseferry	
	1875 Apr. 27.)			Road, S.W.
†	1877 Dec. 4.)	TRIPP, WILLIAM BLOMEFIELD	Spring Grove, Isleworth.	
	1883 Nov. 29.)			
	1893 Mar. 7.)	TRITTON, SEYMOUR BISCOE ..	{ Sir Alexander Rendel, K.C.I.E.,	
	1896 Apr. 21.)			8 Great George Street, S.W.
T t †	1883 Mar. 6.)	*TROTTER, ALEXANDER PELHAM,	Board of Trade, 8 Richmond Ter-	
	1901 Dec. 17.)	B.A. (Cantab.) .. .. ..	race, Whitehall, S.W.	
	1883 Dec. 4.)	*TRUMP, JOHN .. .. ..	{ Swettenham Road, Taiping, Perak,	
	1893 Nov. 16.)			S.S.
	1871 Apr. 4.)	TRUTCH, SIR JOSEPH WILLIAM,	Victoria, British Columbia.	
		K.C.M.G. .. .. ..		
	1890 Dec. 2.)	TUCKEY, THOMAS WILLIAM	Govt. Rys., Tientsin, China.	
	1900 Dec. 19.)	TOWNSEND, B.E. (Royal) ..		

Date of Election  
and of Transfer.

## MEMBERS.

m	†	1885 Dec. 1.	*TUDSBERY, JOHN HENBY	{ Great George Street, S.W. (Institution, London. Westminster 51.)
		1892 Mar. 22.	TUDSBERY, D.Sc. ( <i>Glas.</i> ) .. (Secretary)	{ ..
		1885 Dec. 1.	*TUIT, JAMES EDWARD .. ..	32 Victoria Street, S.W.
		1894 Jan. 23.		
		1881 Dec. 6.	*TULLOCH, FREDERICK HERBERT	Local Government Board, S.W.
		1894 Feb. 27.		
		1900 Dec. 4.	TURNBULL, WALTER JAMES ..	{ Alexr. Izat, C.I.E., B. & N. W. Ry., Gorakhpur, India.
		1865 Dec. 5.	TURNER, EDWARD RUSH ..	St. Peter's Ironworks, Ipswich.
		1879 Apr. 1.		
		1866 May 15.	TURNER, WILLIAM BARROW ..	Ponsonby Hall, Carnforth.
		1877 Jan. 16.		
		1886 Mar. 2.	TUTHILL, ROBERT REEVES, B.A. ( <i>Dubl.</i> ) .. .. ..	Rostrevor, co. Down.
		1902 Mar. 4.	TWENTYMAN, JAMES ROBERT ..	{ Farnham, Boyd & Co., Shanghai, China.
†		1869 Dec. 7.	TWIGG, ROBERT HARKNESS ..	{ 3 Elmbourne Road, Upper Tooting, S.W.
		1879 Feb. 25.		
		1891 Jan. 13.	*TWINBERROW, JOHN WULSTAN	Long Newton Reservoir, Darlington.
		1901 Feb. 5.	1901 Feb. 5.	
		1881 Dec. 6.	TYLER, JOHN FRANKLYN ..	{ 19 Teresa Terrace, Coatham, Redcar.
		1890 May 6.	*TYNDALE, WALTER CLIFFORD	Horseguards, Whitehall, S.W.
		1896 Nov. 24.		
		1877 Apr. 10.	*TYRRELL, ARTHUR WILLIAM	1 Victoria Street, S.W.
		1880 Mar. 16.	NAIRNE .. .. ..	
		1885 Feb. 3.	{ TYRRELL, FREDERICK, Lt.-Col. <i>Madras Staff Corps ret.</i> ..	The Castle, East London, Cape Colony.
		1880 May 4.	*TYRRELL, LEWIS GORDON ..	Midland Ry., Jhansi, N.W.P., India.
		1885 Dec. 8.		
m		1880 Dec. 7.	*TYSOE, JOSEPH .. .. ..	{ South Metropolitan Gasworks, East Greenwich, S.E.
		1897 Nov. 30.		
		1897 Mar. 2.	UHAGON Y VEDIA, PEDRO	Real Compañia, Asturiana, Aviles,
			PASCUAL DE .. .. ..	Spain.
		1865 Dec. 5.	UNWIN, HOWARD .. .. ..	1 Newton Grove, Bedford Park, W.
		1876 Dec. 19.		
T t S	†	1867 Feb. 5.	{ UNWIN, Professor WILLIAM	{ 7 Palace Gate Mansions, Kensington, W.
W L F	†	1877 Oct. 30.	CAWTHORNE, B.Sc. ( <i>Lond.</i> ), F.R.S. ( <i>Member of Council</i> )	
		1872 Dec. 3.	UPCOTT, FREDERICK ROBERT,	
		1879 Nov. 11.	C.S.I. ( <i>Member of Council</i> ). ..	India Office, Whitehall, S.W.
†		1887 Mar. 1.	URQUHART, THOMAS .. .. ..	Delny House, Delny, Ross-shire, N.B.
		1886 Feb. 2.	USSHIER, EDGEWORTH RICHARD	Dunedin, Otago, N.Z.
		1877 Mar. 6.	*VALENTINE, FREDERICK ..	King Staith Square, King's Lynn.
		1886 Mar. 8.	*VALENTINE, FREDERICK ..	
		1874 May 5.	VALPY, HENRY VALPOT FRANCIS	14 Victoria Street, S.W.
		1880 Feb. 3.	*VAUDREY, JOHN CLOUGH ..	{ 71 Westfield Road, Edgbaston, Birmingham. (3539.)
		1893 May 9.		
		1892 May 3.	VAUGHAN, RICHARD WYNDHAM	{ Dummore, St. Catherine's Road, Southbourne, Christchurch, Hants.
		1898 Dec. 6.	VAUGHAN, WILLIAM STEAINS	{ Cail's Buildings, Quayside, Newcastle-on-Tyne.
		1875 May 4.	VAVASSEUR, JOSIAH, C.B. ..	Rothbury, Blackheath Park, S.E. (Exemplar, London.)
		1890 Apr. 1.	VECCHIO, ADOLPHO JOSÉ DEL	Rua Evaristo da Veiga 9, Rio de Janeiro.
T S t m	†	1865 Dec. 5.	VERNON - HARCOURT, LEVESON	6 Queen Anne's Gate, S.W.
		1871 Dec. 19.	FRANCIS, M.A. ( <i>Oxon.</i> ) ..	
		1889 Feb. 5.	VICKERS, THOMAS EDWARD ..	River Don Works, Sheffield.

Date of Election  
and of Transfer.

## MEMBERS.

1883 Feb. 6.)	WADDELL, JOHN ALEXANDER	Gibraltar Building, Kansas City,
1899 Nov. 28.)	LOW, B.A.Sc. Ma.E. ( <i>McGill</i> )	Mo., U.S.
1893 May 16.)	WADDINGTON, JOSHUA ARTHUR	Town Hall, Marylebone, W.
1901 Mar. 5.)	PAGET .. .. .. ..	
1853 Dec. 6.)	WADHAM, EDWARD .. .. ..	Millwood, Dalton-in-Furness.
1866 Dec. 17.)		
1891 Feb. 3.)	*WADHAM, WALTER FRANCIS	Millwood, Dalton-in-Furness.
1901 Feb. 19.)	AINSLIE, M.A. ( <i>Cantab.</i> ) ..	
† 1891 May 5.)	WAIN, EDWARD BROWNFIELD	{ Norton - in - the - Moors, Stoke-on-Trent.
† 1895 May 14.)		
1870 May 24.)	WAKE, HENRY HAY .. ..	{ River Wear Commission, Sunderland.
1874 Mar. 10.)		{ (126.)
1883 Dec. 4.)	WAKELAM, HENRY TITUS ..	{ County Surveyor, Guildhall, Westminster, S.W. (Westminster, 218.)
1901 Dec. 11.)		{ e.o. H. S. King & Co., 45 Pall Mall, S.W.
1875 Dec. 7.)	WALCH, GEORGE TURNER ..	
1860 Mar. 6.)	WALKER, CHARLES RITCHIE ..	{ Ash Lodge, Gloucester Road, Upper Teddington.
1881 Apr. 5.)		
1877 May 29.)	WALKER, CHARLES ROBERT ..	25 Victoria Street, S.W.
1894 Jan. 30.)		
1886 Dec. 7.)	{ WALKER, FRANCIS BLENNER-	Upperton, Eldorado Road, Cheltenham.
	HASSEIT .. .. .. ..	
t † 1889 May 7.)	WALKER, GEORGE BLAKE ..	Tankersley Grange, near Barnsley.
† 1896 Dec. 1.)		
1885 Apr. 14.)	WALKER, JAMES, F.R.S.E. ..	{ Tyne Commission, Newcastle-on-Tyne.
1896 Apr. 14.)	WALKER, JOHN .. .. ..	Robert Stephenson & Co., Newcastle-on-Tyne.
1895 Jan. 8.)	WALKER, JOHN SCARISBRICK ..	Walker Bros., Ironworks, Wigan.
1868 Feb. 4.)	WALKER, THOMAS .. .. ..	Boro' Engineer, Croydon.
1888 Dec. 18.)		
1865 May 2.)	WALL, PHILIP WILLIAM ..	9 Duke Street, Portland Place, W.
1881 Dec. 6.)	*WALLACE, JAMES .. .. ..	The Brake, Stravithie, Fife, N.B.
1898 Dec. 6.)		
1897 Dec. 7.)	WALLACE, JOHN FINDLEY ..	Illinois Central Rlrd., Chicago, U.S.
1882 Mar. 7.)	*WALLER, JOHN EDWARD ..	{ 29 Great George Street, S.W. (Kincaid, London. Westminster 11.)
1891 Nov. 3.)		
1882 May 23.)	WALLIS, BERESFORD GAHAN ..	P. W. D., Lahore, Punjab.
1897 Feb. 2.)		
1875 May 4.)	WALLIS, HENRY ELLIS ..	33 Westbourne Park Road, W.
1880 Jan. 13.)	WALLIS, HERBERT .. .. ..	239 Drummond St., Montreal, Canada.
1874 Apr. 14.)	WALMISLEY, ARTHUR THOMAS ..	{ 9 Victoria Street, S.W. (Workable, London.)
1886 Nov. 2.)		
1883 Feb. 6.)	WALSH, HENRY DEANE, ..	Harbour Trust, Sydney, N.S.W.
1889 Nov. 5.)	B.A.I. ( <i>Dubl.</i> ) .. .. ..	
1894 Mar. 6.)	*WALTON, ALFRED HENRY ..	{ 92 Queen's Road, Brownswood Park, N.
1901 Feb. 12.)		
T t † 1876 Dec. 5.)	{ WALTON, FREDERICK THOMAS	Grindlay & Co., Parliament Street, S.W.
	GRANVILLE, C.I.E. ..	
1867 Dec. 3.)		{ 12 Little College Street, Westminster, S.W.
1881 May 3.)	WALTON, JAMES BIRDSALL ..	
† 1885 Dec. 1.)	*WANKLYN, FREDERIC LUMB ..	Street Ry., Montreal, Canada.
† 1898 Nov. 29.)		
1896 Feb. 4.)	WARBRICK, JOHN JAMES ..	Sir John Jackson, 53 Victoria Street,
t † 1883 Mar. 6.)	WARD, HENRY .. .. ..	110 Cannon Street, E.C. [S.W.]
† 1894 May 22.)		
1876 May 2.)	WARD, HENRY THOMAS ..	Director of Irrigation, Colombo,
1899 Mar. 28.)	SIMPSON .. .. .. ..	Ceylon.
1888 May 1.)	WARD, JOHN .. .. .. ..	Borough Engineer, Derby.
1901 Dec. 11.)		
1880 Jan. 13.)	WARD, REGINALD FOSTER ..	Fellside House, Hexham.
1882 Nov. 7.)		
1887 Dec. 6.)	WARDALE, JOHN DOBSON ..	{ 3 Walker Terrace, Gateshead-on-Tyne. (Wardale, Gateshead.)

Date of Election  
and of Transfer.

## MEMBERS.

1885 Dec. 1.	WARDEN, HOWARD WILLIAM	Badgeworth, near Cheltenham.
1887 Mar. 1.	WARD-SMITH, WILLIAM ..	Soquel, Young Park, Paignton.
1873 Apr. 1.)	WARE, CHARLES EDWIN ..	Gandy Street Chambers, Exeter.
1880 Feb. 17.)		
1887 Dec. 6.)	WARING, CHARLES EDWARD DELANCY .. .. .. ..	5 Victoria Street, S.W.
t $\ddagger$ { 1875 Apr. 6.)	WARING, FRANCIS JOHN, C.M.G.	2 Delahay Street, Westminster, S.W.
{ 1879 Feb. 18.)		
$\ddagger$ 1872 Dec. 3.	WARING, HENRY ROBERT ..	127 San Miguel, Palma, Mallorca.
1877 Dec. 4.)	WARREN, Professor WILLIAM	University, Sydney, N.S.W.
1887 Feb. 8.)	HENRY .. .. .. ..	
$\ddagger$ { 1875 May 4.)	WATSON, JAMES .. .. ..	{ Waterworks Engineer, Town Hall, Bradford.
{ 1885 Jan. 20.)	WATTS, PHILIP, F.R.S. .. ..	Admiralty, S.W.
1901 Apr. 23.)		
$\ddagger$ { 1868 Jan. 14.)	WAWN, CHARLES .. .. ..	Tan-y-Gareg, near Carnarvon.
{ 1877 May 8.)		
1878 Jan. 15)	WEAVER, WILLIAM .. .. ..	Town Hall, Kensington, W.
1892 Feb. 9)		
1895 Mar. 5.)	WEBB, ARTHUR LEWIS,	{ P.W.D., Cairo, Egypt.
1901 June 26.)	F.C.H. .. .. .. ..	
$\ddagger$ { 1865 May 23.)	WEBB, FRANCIS WILLIAM ..	L. & N.W. Ry., Crewe.
{ 1872 Dec. 3.)	(Vice-President.)	
1901 Mar. 5.	WEBB, HARRY HOWARD .. ..	{ Consolidated Gold Fields, Johannesburg, Transvaal.
1891 Dec. 1.)	WEBBER, CHARLES EDMUND,	{ 17 Egerton Gardens, S.W.
Maj.-Gen. R.E. ret., C.B. ..		
1892 Dec. 6.)	WEBSTER, HENRY, B.A.I. (Dubl.)	County Surveyor, Wexford.
1894 Nov. 27.)		
1876 Feb. 1.)	WEBSTER, JOHN .. .. ..	32 Drewton Street, Bradford.
1889 Jan. 29.)		
T t $\ddagger$ { 1879 Feb. 4.)	WEBSTER, JOHN JAMES .. ..	39 Victoria Street, S.W.
{ 1886 May 11.)		
1876 Mar. 7.)	WEEDON, JOHN FRANCIS ..	{ Ferdinand Street, Hunter's Hill, Sydney, N.S.W.
1890 Jan. 21.)		
$\ddagger$ { 1888 Dec. 4.)	*WEIGHTMAN, WALTER JAMES	King, King & Co., Bombay.
{ 1894 Oct. 30.)		
1884 Feb. 5.)	*WEIR, THOMAS DUNCAN,	{ Gold Coast Railways, Sekondi, West
1897 Nov. 30.)	B.Sc. (Glas.) .. .. ..	Africa.
1881 Feb. 1.)	WELBY, RICHARD FLINT ..	Ravenhurst, Cockington, Torquay.
1875 May 11.)	WELLESLEY, GERALD EDWARD ..	33 Portman Square, W.
$\ddagger$ 1872 May 7.)	WELLS, LIONEL BURY .. ..	5 John Dalton St., Manchester.
$\ddagger$ 1870 Dee. 6.)	WELSH, EDWARD .. .. ..	
1869 Dec. 7.)	WENDEN, HENRY CHARLES ..	G. I. P. Ry., Victoria Terminus, Bom-
1891 May 5.)	EDWARD .. .. .. ..	bay.
1866 Dec. 4.	WEST, ARTHUR ANDERSON ..	{ Clyst House, Theydon Bois Road, nr. Epping.
$\ddagger$ 1885 Dec. 1.)	WEST, HENRY HARTLEY .. ..	{ 5 Castle Street, Liverpool. (Referee, Liverpool.)
1884 May 6.)	WEST, JOHN .. .. .. ..	Barfield House, Didsbury.
1872 May 14.)	*WESTERN, CHARLES ROBERT ..	{ Broadway Chambers, Westminster, S.W. (Donbowes, London. West-
1879 May 27.)		minster 199.)
1877 Apr. 10.)	WESTHOFEN, WILHELM .. ..	P.W.D., Cape Town, C.C.
1896 Feb. 11.)		
$\ddagger$ 1878 Jan. 15.)	WESTLAND, DAVID MONRO ..	135 George Street, Edinburgh.
1861 May 28.)	{ WESTMACOTT, PERCY GRAHAM	Rose Mount, Sunninghill, Berks.
1889 Feb. 5.)	BUCHANAN .. .. .. ..	
1891 May 5.)	WESTON, EDMUND BROWNELL ..	Providence, Rhode Island, U.S.
t $\ddagger$ 1867 Dec. 3.)	WHEELER, WILLIAM HENRY ..	Boston, Lines. (Wheeler, Boston.)
1885 May 5.)	WHIELDON, JOHN HENRY ..	{ c.o. E. W. Whieldon, Commercial
1902 Apr. 15.)		Gas Co., Stepney, E.
1899 Dee. 5.)	WHILE, JAMES MORGAN .. ..	{ Haematite Steel Co., Barrow-in- Furness.

Date of Election  
and of Transfer.

## MEMBERS.

1872 Apr. 9.	WHIPHAM, ARTHUR HENRY ..	Cleveland Lodge, Leamington.
1878 Apr. 30.		
1882 Dec. 5.	WHITAKER, WILLIAM BUTLER ..	{ 9 Vanbrugh Park Road West, Black-
1896 May 5.		heath, S.E.
1879 Dec. 2.	WHITCOMBE, CHARLES PALMER ..	{ 136-148 Tooley Street, Borough,
1892 Feb. 16.		S.E.
† 1881 Feb. 1.	WHITE, ALFRED EDWARD ..	City Engineer, Hull.
† 1895 May 21.		
† 1884 Jan. 8.	WHITE, ALFRED GEORGE ..	11 Queen Victoria Street, E.C.
† 1899 Jan. 17.		
1893 Dec. 5.	WHITE, CHARLES ARTHUR ..	Midnapore, Bengal.
1900 Dec. 18.		
1862 May 6.	WHITE, CHARLES FITZWILLIAM ..	
1883 May 1.	*WHITE, GEORGE GILBERT ..	{ P. W. Secretariat, Mount Abu,
1895 Jan. 15.		Rajputana, India.
1875 May 11.	WHITE, GUILLERMO ..	926 Calle Libertad, Buenos Aires.
1885 Feb. 3.		
1870 Jan. 11.	WHITE, ROBERT ..	{ 66 Belsize Park Gardens, N.W.
1872 Feb. 6.	WHITE, WILLIAM HENRY ..	(Brentesia, London.)
1879 Jan. 14.		Town Hall Buildings, Oxford.
† 1882 Feb. 7.	WHITE, Sir WILLIAM HENRY, K.C.B., D.Sc. ( <i>Cantab.</i> ), LL.D. ( <i>Glas.</i> ), F.R.S. ( <i>Vice-President</i> ) ..	..
1882 Dec. 5.	*WHITEHOUSE, Sir GEORGE, K.C.B.	Uganda Ry., Mombasa, East Africa.
1892 Feb. 23.		
1885 Dec. 1.	WHITELEY, JOHN JOSEPH ..	Binny & Co., Madras.
1900 Mar. 26.		
1866 Apr. 10.	WHITING, JAMES EDWARD, M.A. ( <i>Cantab.</i> ) ..	Dunham House, Ramsgate.
1874 Dec. 22.		
† 1874 May 5.	WHITLEY, HENRY MICHELL ..	11 Victoria Street, S.W.
† 1891 Dec. 8.		
1885 May 5.	WHITTEMORE, DON JUAN ..	Milwaukee & St. Paul Ry., Chicago.
1871 Apr. 4.	WHITTLE, JAMES HENRY ..	11 Hamilton Road, Ealing, W. [U.S.]
1879 Dec. 23.		
1877 Feb. 6.	WHITTY, IRWINE JOHN ..	{ 24 Rokeby Avenue, Redland, 1877 Oct. 30.
		Bristol. [Leith.]
† 1883 May 29.	WHYTE, PETER ..	Dock Office, Leith. (Whyte, Docks,
1889 Feb. 5.	WICKSTEAD, JOSEPH HARTLEY ..	Well House Foundry, Leeds.
1892 Apr. 5.	WIGRAM, REGINALD ..	Weetwood, Leeds.
1881 Jan. 11.	WIKE, CHARLES FROGGATT ..	{ City Surveyor, Bower Spring, Shef-
1890 Nov. 11.		field.
1891 May 5.	WILCOX, ERNEST SHEPLEY ..	Wirral Railway, New Brighton,
1873 May 20.	WILCOCKS, GEORGE WALLER ..	[Cheshire.]
1880 Feb. 24.		4 College Hill, E.C.
T t † 1885 Dec. 1.	WILCOCKS, WILLIAM, C.M.G.	Daira Sania Co., Cairo.
† 1887 Apr. 19.	*	L. & N. W. Ry., 9 Walton's Parade,
1895 Mar. 5.	WILLET, ARCHIBALD WILLIAM ..	Preston.
1891 Apr. 7.	WILLIAMS, ALFRED ..	{ Penshurst Park, Hurstville, Sydney, N.S.W.
† 1860 Feb. 7.	WILLIAMS, Sir EDWARD LEADER (Member of Council) ..	The Oaks, Altringham, Cheshire.
1879 Mar. 4.	WILLIAMS, GEORGE PHILIPS, B.A. ( <i>Cantab.</i> ) ..	Upper Riccarton, Christchurch, N.Z.
1886 Feb. 2.	*WILLIAMS, GILBERT PERCY ..	14 Victoria Street, S.W.
1900 Dec. 19.		
1878 Feb. 5.	WILLIAMS, JOHN AVERY BRANTON ..	{ Lingfield Grange, Branksome Park, Bournemouth.
1855 May 22.	WILLIAMS, MORGAN BRANSBY ..	Killay House, Swausea.
1861 Jan. 15.		
1885 Dec. 1.	*WILLIAMS, MORGAN IVAN MAN- DEKSTJERNA, M.A. ( <i>Cantab.</i> ) ..	39 Victoria Street, S.W.
1901 Feb. 16.		

Date of Election  
and of Transfer.

## MEMBERS.

1890 Dec. 2.	WILLIAMS, WILLIAM HUGH ..	L. & N. W. Ry., Watford.
1898 Feb. 22.)		
1897 Apr. 6.)	*WILLIAMSON, FRANCIS STUART ..	257 Broadway, New York, U.S.
1901 Jan. 15.)	{WILLIAMSON, ROBERT ..	Cannock Wood House, Huddersfield,
1900 Apr. 3.)	SUMMERSIDE .. .. ..	Staffs.
1888 Jan. 10.)	WILLOX, WILLIAM, ..	
1896 Dec. 22.)	M.A. (Aberd.) .. .. ..	L. B. & S. C. Ry., East Croydon.
1877 May 1.)	*WILMER, HORACE .. .. ..	G. E. Ry., Stratford.
1888 Jan. 17.)		
1897 Feb. 2.)	WILSON, ALEXANDER BASIL ..	Maryville House, Malone, Belfast.
1889 Apr. 2.)	WILSON, ARTHUR PRANGLEY ..	353 Mansion House Chambers, E.C.
1901 Feb. 6.)		
1875 Dec. 7.)	WILSON, ARTHUR ROSS .. ..	Binsur, Almora, N.W.P., India.
1890 Mar. 25.)		
1895 Dec. 3.)	*WILSON, FREDERICK JAMES ..	{c.o. Macfadyen & Co., Winchester
1901 Feb. 12.)		House, Old Broad Street, E.C.
t $\ddagger$ 1863 Jan. 13.)	WILSON, GEORGE .. .. ..	8 Disraeli Road, Ealing, W.
1872 Mar. 19.)		
1886 Apr. 6.)	WILSON, GEORGE .. .. ..	{Redholme, Gwendolen Avenue,
1897 Jan. 12.)		Putney, S.W.
1860 Feb. 7.)	WILSON, JAMES .. .. ..	Lexden, Tenby.
1877 May 29.)		
1878 Mar. 5.)	WILSON, JOHN .. .. ..	{G. E. Ry., Liverpool St., E.C. (Wilson, Eastern, London.)
$\ddagger$ 1887 Dec. 6.)	WILSON, JOHN ALEXANDER ..	{P. W. Office, Waipara, North
1898 Nov. 29.)		Canterbury, New Zealand.
1870 Dec. 6.)	WILSON, JOHN HATTON .. ..	14 Roseville St., St. Helier's, Jersey.
1882 Nov. 7.)		
t $\ddagger$ 1876 Mar. 7.)	WILSON, JOSEPH MILLER ..	Drexel Building, Philadelphia, U.S.
1877 Feb. 6.)	WILSON, JOSEPH WILLIAM ..	{Engineering School, Crystal Palace, S.E.
1900 Mar. 27.)		
1884 Feb. 5.)	*WILSON, MAURICE FITZ-	Admiralty Harbour Works, Dover.
1895 Feb. 12.)	GERALD .. .. ..	
1894 Jan. 9.)	WILSON, PEREGRINE OLIVER ..	{34 Dryden Chambers, 119 Oxford Street, W.
1899 Jan. 10.)		
1875 Dec. 7.)	WILSON, ROBERT .. .. ..	{7 St. Andrew's Place, Regent's Park, N.W.
1882 May 23.)		
1876 Apr. 4.)	WILSON, ROBERT EDWARD ..	8 Quality Court, Chancery Lane, W.C.
1883 Nov. 13.)		
1891 Dec. 1.)	WILSON, WALTER HENRY ..	Belvoir Park, Belfast.
$\ddagger$ 1886 Dec. 7.)	WILSON, WALTER STUART ..	175 Hope Street, Glasgow.
1869 May 4.)	WINBOLT, JOHN STEDDY, ..	13 Harvey Road, Cambridge.
1887 Apr. 26.)	M.A. (Cantab.) .. .. ..	
1881 Apr. 5.)	WINGFIELD, CHARLES HUM-	The Rectory, Welwyn, Herts.
1896 Apr. 21.)	PHREY .. .. ..	
1897 Jan. 12.)	WINSER, SIDNEY BEAUFOY ..	{Albert Chambers, Albert Square, Manchester.
1859 Feb. 1.)	WINTER, THOMAS BRADBURY ..	Broomfield, Caterham, Surrey.
1888 Dec. 4.)	WISE, BERKELEY DEANE ..	Northern Counties Ry., Belfast.
1884 Mar. 4.)	WOLFE, JOHN EDWARD ..	Apartado 450, Havana, Cuba.
1889 Dec. 3.)	WOLFF, WILLIAM HENRY ..	B. B. & C. I. Ry., Bombay.
1898 Nov. 29.)		
1881 May 31.)	*WOLLEY-DOD, FRANCIS, F. C. H. ..	139 Holland Road, W.
1899 Feb. 28.)		
1868 May 5.)	WOOD, JOHN .. .. ..	18 Bank Street, Carlisle.
$\ddagger$ 1884 Feb. 5.)	WOOD, JOHN MACKWORTH ..	New River Office, Clerkenwell, E.C.
1900 Dec. 19.)		
1892 Dec. 6.)	WOOD, JOHN THOMAS ..	3 Cook Street, Liverpool.
1880 Feb. 3.)	WOOD, Sir LINDSAY, Bart. ..	Southill, Chester-le-Street.
1892 Apr. 5.)	WOOD, WALTER EDMUND ..	Denuis, Coatham, Redcar.
$\ddagger$ 1872 Dec. 3.)	WOODALL, COREET .. ..	{9 Bridge Street, Westminster, S.W. (Westminster 160.)
1877 Oct. 30.)		

Date of Election  
and of Transfer.

## MEMBERS.

1886 Mar. 2.	WOODALL, HENRY .. .. ..	7 South Parade, Llandudno.
1891 Mar. 3.	WOODCOCK, WILLIAM HUGH ..	2 Great George Street, S.W.
T ♫ 1846 Apr. 7.	{WOODS, EDWARD ( <i>Past-</i> <i>President</i> ) .. .. ..}	8 Victoria Street, S.W. (Boseage, London.)
1866 Dec. 4.)	Woods, EDWARD HENRY ..	{8 Victoria Street, S.W. (Fundum, London.)
1873 May 20.)	*Woods, RICHARD JOHN,) Royal Indian Engineering College,	
1881 Dec. 6.)	M.E. ( <i>Royal</i> ), F.C.H. ..	Staines.
m ♫ {1892 Feb. 2.)	*WORDINGHAM, CHARLES HENRY (Hazelhurst, Urmston Lane, Stret-	
{1899 Dec. 12.)		ford, Manchester.
1884 Mar. 4.	WORSDELL, THOMAS WILLIAM Stonycroft, Arnside, Carnforth.	
1886 Feb. 2.)	WORSDELL, WILSON .. .. ..	N. E. Ry., Gateshead-on-Tyne.
1895 Nov. 29.)		
t ♫ {1881 Feb. 1.)	WORTH, JOHN EDWARD .. ..	{County Council, Spring Gardens, S.W.
{1893 Nov. 14.)		
1839 Apr. 23.)	WORTHINGTON, SAMUEL BARTON Mill Bank, Bowdon, Cheshire.	
1861 Jan. 8.)		
† {1880 Jan. 13.)	*WORTHINGTON, WILLIAM BAR-	{Chief Engineer, L. & Y. Ry., Manchester.
{1884 May 27.)	TON, B.Sc. ( <i>Lond.</i> ) .. ..	{4 Marlborough Hill, St. John's Wood, N.W.
T t ♫ 1870 Jan. 11.	WRAGGE, EDMUND .. .. ..	
1876 Feb. 1.)	*WRENCH, JOHN MERVYN ..	G. I. P. Ry., Victoria Terminus,
1882 Feb. 7.)		Bombay.
1884 Mar. 4.	WRIGHT, JAMES WALKER ..	{Fairview, De Pary's Avenue, Bed- ford.
1875 Mar. 2.	WRIGHT, JOHN .. .. ..	Teign View, Newton Abbot.
1885 Apr. 14.	WRIGHT, Hon. JOHN ARTHUR	{Government Resident, Albany, Western Australia.
1888 Feb. 7.)	WRIGHT, JOHN JAMES .. ..	6 Monument Green, Weybridge.
1901 Jan. 15.)		
1884 Mar. 4.	WRIGHT, WILLIAM .. .. ..	Ashridge House, Spalding Lines.
1859 Jan. 11.)	WRIGHT, WILLIAM BARTON ..	{e.o. Constitutional Club, Northum- berland Avenue, W.C.
1869 Dec. 7.)		
C ♫ {1869 Dec. 7.)	WRIGHTSON, Sir THOMAS,	5 Victoria Street, S.W.
{1877 May 29.)	Bart., M.P. .. .. ..	
1895 Apr. 2.	WRIGHTSON, WALSH, C.M.G. ..	Port of Spain, Trinidad.
1888 Feb. 7.)	*WYNNE-EDWARDS, HUGH	Sir John Jackson, 53 Victoria Street,
1900 Apr. 3.)	COPNER .. .. ..	S.W.
1881 May 3.)	WYRILL, RALPH HENRY ..	Guildhall, Swansea.
1901 Dec. 11)		
1879 Mar. 4.)	YABBICOM, THOMAS HENRY ..	City Engineer, Bristol.
1898 Nov. 29.)		
1869 Dec. 7.)	YARROW, ALFRED FERNANDEZ	{Isle of Dogs, Poplar, E. (Yarrow, London. Eastern 114.)
1879 Nov. 4.)		{53 Victoria Street, S.W. (Yockney, London.)
1876 May 2.	YOCKNEY, SYDNEY WILLIAM ..	
† {1872 Apr. 9.	YOUNG, EDWARD WILLIAM ..	Poste Restante, Cape Town, C.C.
1865 Apr. 4.)	YOUNG, JAMES .. .. ..	{Salroyd, Thornlaw Road, West
1884 Dec. 23.)		[Norwood, S.E. S.W.]
1886 May 4.	YOUNG, JAMES .. .. ..	e.o. Grindlay & Co., Parliament St.,
1876 Dec. 5.)	{YOURDI, GEORGE NICHOLAS,	Cwm Elan, Rhayader, Radnorshire.
1884 Jan. 8.)	B.A.I. ( <i>Dubl.</i> ) .. .. ..	
1884 Mar. 4.)	ZACHARIASEN, LARS SEVERIN ..	9 Bridge Street, Westminster, S.W.
1896 Nov. 16.)		
1887 May 24.)	{ZEAL, Sir WILLIAM AUSTIN, K.C.M.G. .. .. ..	5 St. James's Buildings, William Street, Melbourne, Victoria.
1895 May 21.	ZIFFER, EMANUEL ALOIS ..	I Giselastrasse 9, Vienna.

Total number of Members .. .. 2,101.

## ASSOCIATE MEMBERS.

[Assoc. M. Inst. C.E.]

*N.B. Those elected prior to the 2nd of December, 1878, have been transferred into this class by the Council.*

Date of Election.	ASSOCIATE MEMBERS.
1880 May 4.	ABBEY, JOE BURMAN .. .. 34A New Street, Huddersfield.
1893 May 2.	ABBOT, FREDERICK WILLIAM { 620 Chestnut Street, St. Louis, Mo., U.S.
1891 Dec. 1.	*ABBOTT, GEORGE HERBERT .. Waterworks Office, Southport.
1891 Dec. 1.	*ABBOTT, JAMES HARTLEY .. Aldercliffe, Haverbreaks, Lancaster.
1899 Apr. 11.	ABBOTT, SYDNEY HARRY .. Linslade, Leighton Buzzard.
1880 Mar. 2.	*ABERCROMBIE, FRANCIS .. 23 Upper Wimpole Street, W.
1902 Apr. 8.	*ACFIELD, JOSHUA EDWARD .. City Engineer's Office, Leeds.
1877 Feb. 6.	ACKERMANN, ADOLPHUS WILLIAM 47 Victoria Street, S.W.
1892 Dec. 6.	{ *ACKERMANN, ALFRED SEABOLD { 47 Victoria Street, S.W. (P.O. ELI .. .. .. .. .. Telephone—Victoria 244.)
1895 Dec. 3.	{ ACKLAND, CHARLES GEORGE { Catterall House, Chestnut Avenue, HEBER .. .. .. .. .. Hampton-on-Thames.
1897 Mar. 2.	ACKLAND, THOMAS JOHN HENRY 3 Avenue Road, Staines.
1877 Dec. 4.	*ACLAND, LAWFORD MACLEAN.. { P.W.D., Giant's Tank, Mannar, Ceylon.
1889 Feb. 5.	*ACOURT, SIDNEY .. .. .. { 39 Victoria Street, S.W. (Togatus, London.)
1897 Mar. 2.	*ACTON, EDWARD VINCENT .. { Water & Sewerage Dept., Port of Spain, Trinidad.
1894 Dec. 4.	ACTON, WILLIAM WALTER .. Kwala Kangsar, Perak, S.S.
1894 May 22.	{ ADAIR, GERALD ARTHUR. { 65 Lower Mount Street, Dublin. { B.A.I. ( <i>Dubl.</i> ) .. .. ..
1887 Mar. 1.	*ADAM, JAMES, F.C.H. .. King, King & Co., Bombay.
1900 Jan. 9.	{ ADAM, MATTHEW ATKINSON, { 145 Fordwych Road, West Hamp- { B.Sc. ( <i>Glas.</i> ) .. .. .. stead, N.W.
1891 Dec. 1.	*ADAM, ROBERT.. .. .. { Harbour Works, Salina Cruz, Oaxaca, Mexico.
1879 Feb. 4.	ADAMES, CORNELIUS GEORGE.. Avondale, London Rd., Portsmouth.
1893 Apr. 11.	ADAMS, ALEXANDER .. .. { Everton, Darley Road, Mauly, New South Wales.
1894 May 1.	ADAMS, BURNET .. .. .. Surveyor-General, Orange River Colony.
1892 Mar. 1.	*ADAMS, FREDERICK.. .. .. Coatzacoalcos, Mexico.
m 1899 Jau. 10.	*ADAMS, HENRY CHARLES. .. 37 Waterloo Street, Birmingham.
1900 Feb. 6.	{ *ADAMS, HENRY REGNIER { c.o. Pall Mall Club, 12 St. James's { CAMPBELL .. .. .. Square, S.W.
1900 Dec. 4.	ADAMS, SAMUEL HENRY .. Park Avenue, Harrogate. [Trent.
1883 Jan. 9.	*ADAMS, THOMAS .. .. .. Eng.'s Office, N. Staffs. Ry., Stoke-on-
1901 Mar. 5.	{ ADAMS, WILLIAM CHATTERTON, { Drumelton House, Cootehill, co. { B.A.I. ( <i>Dubl.</i> ) .. .. .. Cavan.
1887 May 3.	ADAMSON, MICHAEL .. .. 16 Stopford Road, Plaistow, E.
1889 Dec. 3.	*ADDIS, FREDERICK HENRY .. Mhow, Central India.
1901 Dec. 3.	*ADDIS, ROBERT BAWN, F.C.H. Grindlay, Groom & Co., Bombay.
1880 Dec. 7.	*ADDISON, PERCY LEONARD .. Park House, Bigrigg, Cumberland.
1896 Dec. 1.	ADIE, ALFRED EDMOND .. P.W.D., Jackson House, Calcutta.
1898 Dec. 6.	{ ADLER, HENRY GEORGE VER- { c.o. Mellor, Smith & May, 1 Moorgate { GOTTFINI.. .. .. Place, E.C.
1895 May 21.	AGABEG, FRANK JOSEPH .. Appear & Co., Sitarampore, Bengal.

Date of Election.	ASSOCIATE MEMBERS.
1897 Feb. 2.	AHLERS, RUDOLPH OSWALD .. { c.o. Mrs. Ahlers, The Red Lodge, Lower Mitcham.
1890 Feb. 4.	AINSWORTH, ALFRED EDWARD .. { Midland Ry., 11 Queen's Road, Nottingham.
† 1899 Mar. 7.	AITCHISON, GOWRIE COLQUHOUN .. { Glynder, Llanberis, N. Wales.
† 1893 Dec. 5.	AITKEN, THOMAS .. .. .. County Buildings, Cupar, Fife, N.B.
1901 Dec. 3.	{ AITKEN, THOMAS MARTIN, B.Sc. 126 Greenwich Road, S.E. ( <i>Glas.</i> ) .. .. .. ..
1887 May 21.	*AKBAR, ALI .. .. .. P.W.D., Surat, Bombay.
1883 May 29.	*ALBRIGHT, JOHN FRANCIS .. { 96 Elm Park Gardens, S.W. (Ken- sington 652.)
1892 Dec. 6.	{ *ALBUQUERQUE-MARANHAO, AF- 22 Rua do Commercio, Natal, Rio FONSO DE OLIVEIRA DE .. .. Grande do Norte, Brazil.
1902 Apr. 8.	ALCOCK, ARTHUR HENRY .. 11 Springfield Place, Leeds.
1899 Dec. 5.	*ALDIS, BASIL STEADMAN .. { R. St. G. Moore, 17 Victoria Street, S.W.
1883 Mar. 6.	{ *ALDRIDGE, JAMES GEORGE 9 Victoria Street, S.W. WILLCOX .. .. .. ..
1894 May 22.	ALEXANDER, EDWARD SEYMOUR .. { South Indian Ry., Trichinopoly, India.
1894 Dec. 4.	ALEXANDER, JOHN HENRY .. { 42 Sardinia Terrace, Hillhead, Glas- gow.
1892 May 3.	*ALEXANDER, WILLIAM .. .. 7 Burlington Gardens, Acton, W.
1895 Dec. 3.	*ALEXANDER WILLIAM .. .. { Caledonian Ry., Buchanan Street Station, Glasgow.
1892 Feb. 2.	*ALFORD, JOHN SIDNEY .. .. { G. Chatterton, 6 The Sanctuary, Westminster, S.W.
1889 Dec. 3.	*ALLAN, JOHN FREDERICK .. .. Apartado de Correo 121, Mexico.
1878 May 7.	ALLEN, ALFRED .. .. { 47 Victoria Street, S.W. (West- minster 402.)
1898 Mar. 1.	ALLEN, FRANCIS WILLIAM .. .. Boro' Surveyor's Office, Leicester.
1883 Feb. 6.	ALLEN, GEORGE THOMAS .. .. 103 Malpas Road, Brockley, S.E.
1896 Mar. 3.	*ALLEN, GORDON .. .. Glen May, Ditton Road, Surbiton.
1893 Dec. 5.	ALLEN, MARCUS .. .. The Nest, Knutsford, Cheshire.
M † 1881 Apr. 5.	*ALLEN, PERCY RUSKIN .. .. Ferncliffe, Higher Runcorn, Cheshire.
1898 Feb. 1.	ALLEN, RAYMOND CECIL .. .. Chief Surveyor, Uganda, East Africa.
1892 May 24.	ALLEN, RICHARD WILLIAM .. .. Queen's Works, Bedford.
1900 Feb. 6.	ALLEN, SIDNEY .. .. G. C. Ry., Guide Bridge, Manchester.
1885 Dec. 1.	ALLEN, WILLIAM MILWARD .. .. { 199 High St., Chorlton-on-Medlock, Manchester.
1885 Dec. 1.	{ *ALLMAN, FRANCOIS ALBERT 18 Nicolas Quay 18, Vassiljewskij LOUIS .. .. .. Ostrov, St. Petersburg.
1897 Feb. 2.	ALLISON, HARRY PIGOTT .. .. F. & C. Osler, Calcutta.
1893 Dec. 5.	ALLISON, JOHN LOGIE .. .. { W. Cross, Clarkson & Cross, Scott Street, Toronto, Ont., Canada.
m 1895 Dec. 3.	*ALLOTT, HENRY NEWMARCH .. .. 46 Brown Street, Manchester.
1891 Jan. 13.	*ALLPORT, DOUGLAS, Jun. .. .. 6 Newton Grove, Chiswick, W.
1880 Apr. 6.	ALLSOPP, JOHN .. .. Worksop.
1894 Dec. 4.	*ALLUM, FREDERIC WARNER .. .. G. Dixie, Roorkee, N.W.P., India.
1897 Jan. 12.	AMAN, FREDERICK THEODOR.. .. City Engineer's Office, Liverpool.
1892 Mar. 1.	AMES, ERNEST FITZROY .. .. 31 Ovington Square, S.W.
1885 Apr. 14.	AMOR, JUSTIN VICTOR WILFRID .. .. 10 Victoria Street, S.W.
1893 Mar. 7.	{ *AMPHLETT, EDWARD ALBIN, Harbour Trust, Sydney, N.S.W. B.E. ( <i>Sydney</i> ) .. .. ..
1890 May 6.	ANDERSON, ARTHUR ROBERT .. .. S.M. Ry., Dharwar, Bombay.
1900 Feb. 6.	*ANDERSON, ATHOL LANCELOT .. { Suptg. Engineer's Office, H.M. Dockyard, Portsmouth.
† 1899 Jan. 10.	ANDERSON, CHARLES WILLIAM .. .. Harbour Works, Penang, S.S.
C † 1883 Dec. 4.	*ANDERSON, EDWARD WILLIAM .. { Lesney, Warwick Road, Solihull, Birmingham.
1883 Dec. 4.	ANDERSON, GEORGE GRAY .. .. { 1255 Gaylord Street, Denver, Colo., U.S. (Irrigation, Denver.)

Date of Election.	ASSOCIATE MEMBERS.	
1892 Mar. 1.	ANDERSON, GEORGE WILLIAM	Gasworks, Whyteleafe, Surrey.
1885 May 19.	*ANDERSON, HERBERT WILLIAM	{ Fairfield, Broom Road, Teddington. (Kingston 186.)
1889 May 7.	ANDERSON, JAMES .. .. ..	Box 50, Bulawayo, South Africa.
1881 Apr. 5.	ANDERSON, JOHN .. .. ..	160 High Street, Montrose.
1894 Dec. 4.	*ANDERSON, JOHN REID .. ..	{ London Sanitary Protection Assoc., 13 Charles St., St. James's, S.W.
1897 Mar. 2.	ANDERSON, JOHN WEMYSS ..	University College, Liverpool.
1890 Dec. 2.	{ ANDERSON, JOSHUA THOMAS NOBLE, B.E. ( <i>Royal</i> ) .. ..	49 Elizabeth Street, Melbourne, Victoria.
1893 Jan. 10.	*ANDERSON, PIERCE SEVERN ..	Dredging Co., Cairo.
1889 Dec. 3.	*ANDERSON, ROBERT BRUCE ..	35A Great George Street, S.W.
1897 Mar. 2.	*ANDERSON, ROBERT HAY ..	Apartado 866, Mexico City.
1887 Feb. 1.	{ *ANDERSON, ROBERT OGILVIE NEWTON, B.A.I. ( <i>Dubl.</i> ) ..	Bagar Serai, Perak, S.S.
1881 May 3.	ANDERSON, ROBERT SANDERS ..	County Surveyor, Peebles, N.B.
1884 Dec. 2.	ANDERSON, THOMAS .. .. ..	35 Blythswood Drive, Glasgow.
1896 Dec. 1.	{ ANDERSON, WALTER VICKER- STAFF .. .. .. ..	City Surveyor, Winchester.
1875 May 11.	ANDRÉ, GEORGE GUILLAUME ..	{ Clyde Mills Co., Glenlean, Sand- bank, Greenock, N.B.
1891 Dec. 1.	ANDREONI, LUIS .. .. ..	{ Central Uruguay Ry., Monte Video, Uruguay.
1894 Dec. 4.	{ ANDREWS, GEORGE SAMUEL BURT .. .. .. ..	Box 1049, Johannesburg, Transvaal.
1885 Apr. 14.	{ ANDREWS, JOSEPH DEVONPORT FINNEY .. .. ..	2 Park Avenue, East Sheen.
1889 Dec. 3.	{ ANDREWS, SAMUEL GEORGE THORNTON .. .. ..	Cefn Eithen, Swansea.
1883 Dec. 4.	ANDREWS, WILLIAM WALLACE	Port Darwin, N.T., South Australia.
1898 Apr. 5.	ANGEL, ROBERT JOHN .. ..	{ Town Hall, Spa Road, Bermondsey, S.E.
1883 Mar. 6.	ANGELL, JOHN ALEXANDER ..	District Council, Beckenham, S.E.
1886 Dec. 7.	ANGOVE, WILLIAM HENRY ..	Albany, Western Australia.
1861 Dec. 3.	ANLEY, JAMES LEMPIRIERE ..	Oakley, Cheltenham.
1896 Dec. 1.	ANNAN, WILLIAM CRAIG ..	Gorakhpur, N.W.P., India.
1875 Dec. 7.	{ ANSON, FREDERICK HENRY, M.A. ( <i>Oxon.</i> ) .. .. ..	15 Dean's Yard, S.W.
1892 Feb. 2.	*ANTHONY, ALBERT EVERSHED	35 East Street, Brighton.
1881 Apr. 5.	ANTILL, BENJAMIN HILLIER ..	12 Queen Anne's Gate, S.W.
1898 Apr. 5.	*ANZORENA, JACINTO .. ..	Mendoza, Argentina.
m † 1890 Apr. 1.	*APPLEBY, PERCY VAVASSEUR ..	London Engine Works, Leicester.
1901 Mar. 5.	APPLEYARD, ROLLO .. .. ..	{ 80 St. Mary's Mansions, Paddington, W.
1897 Apr. 6.	ARBUTHNOTT, DONALD STEWART	9 Clarendon Place, Stirling.
1890 May 20.	ARCHER, OAKELEY .. .. ..	City Surveyor, Christchurch, N.Z.
1883 May 1.	ARGENTI, EDUARDO .. .. ..	Calle de Alarcon 1, Madrid.
1891 Feb. 3.	ARMER, JAMES .. .. ..	11 Queen Street Place, E.C.
1882 May 23.	ARMISTEAD, RICHARD .. ..	8 Charles Street, Bradford.
1890 Apr. 1.	ARMITAGE, CHARLES .. ..	Gasworks, Lancaster.
1893 Feb. 7.	{ *ARMITAGE, FREDERICK RHODES, B.A. ( <i>Cantab.</i> ) .. .. ..	Noan, Thurles, co. Tipperary.
1894 Feb. 6.	ARMSTRONG, CHARLES FREDERICK	Egyptian Dredging Co., Cairo.
1898 Dec. 6.	ARMSTRONG, DAVID WILLIAMS	{ Bridges Branch, P.W.D., Sydney, N.S.W.
1884 Dec. 2.	{ ARMSTRONG, LAWRENCE HEN- NESSEY CLUBBEY .. .. ..	Holmwood, Happy Valley, Mus- soorie, India.
1897 Apr. 6.	ARMSTRONG, SAMUEL GEORGE	
1891 Dec. 1.	ARNALL, THOMAS WILLIAM ..	City Surveyor's Office, Birmingham.
1878 Feb. 5.	ARNEIL, JAMES ABRAM .. ..	57 Belmont Road, Southampton.
† 1899 Apr. 11.	*ARNOLD, FRANK WILLIAM ..	{ 2 Summerfield Crescent, Birming- ham.

Date of  
Election.

## ASSOCIATE MEMBERS.

1890 Dec. 2.	ARNOLD, THOMAS .. .. ..	19 John Street, Llanelly.
1891 Dec. 1.	*ARNOT, ARTHUR JAMES .. ..	83 Pitt Street, Sydney, N.S.W.
1891 May 12.	AROCENA, CARLOS ALBERTO ..	Calle de Piedras 163, Monto Video.
1881 Feb. 1.	ARROW, JAMES THOMAS .. ..	{Railway Construction Branch, P.W.D., Perth, Western Australia.
1876 Apr. 4.	*ARTEAGA, RODOLFO DE .. ..	72 Calle Buenos Ayres, Monte Video.
m 1902 Apr. 8.	*ARTER, ARTHUR MARSHALL ..	60 Upper Mall, Hammersmith, W.
† 1881 Dec. 6.	ARTINGSTALL, SAMUEL GEORGE ..	28 Rialto Buildings, Chicago, U.S.
1874 Apr. 14.	ASHBURY, THOMAS .. .. ..	17 St. Ann's Square, Manchester.
† 1885 Apr. 14.	*ASHCROFT, ANDREW GEORGE ..	1 Gainsborough Rd., Bedford Park, W.
1897 Feb. 2.	ASHCROFT, EDGAR ARTHUR ..	82 Victoria Street, S.W.
1894 Feb. 6.	ASHDEN, PERCY .. .. ..	P.W.D., Cape Town, C.C.
† 1873 May 6.	*ASHHURST, FRANCIS HENRY ..	Bhim Tal, Montpelier Rd., Ealing, W.
1899 Feb. 7.	*ASHLEY, HERBERT .. .. ..	Waterworks, Commercial Road, Portsmouth.
1886 Apr. 6.	*ASHPITEL, FRANCIS WILLIAM ..	Parry & Co., Madras.
1890 Feb. 4.	ASHWELL, HARRY .. .. ..	(South View, Doncaster Road, Agbrigg, Wakefield.
1893 May 16.	{ *ASHWORTH, ARTHUR ALAN, M.A. (Cantab.) .. .. ..	N. E. Ry., Engineer's Office, York.
1895 Dec. 3.	*ASKWITH, JAMES EDGAR ..	Waterworks, Consett, co. Durham.
1892 Jan. 12.	*ASLETT, ALFRED HENRY ..	Engineer's Dept., E.I. Ry., Calentta.
1890 Dec. 2.	ATHIM, SAMUEL .. .. ..	{P.W.D., Ganges Canal, Meerut, ( N.W.P., India.
1886 Dec. 7.	ATKINS, ALFRED .. .. ..	Wanganui, N.Z.
1885 Mar. 3.	ATKINSON, ALFRED .. .. ..	Brigg, Lincs. [Cardiff.
T t † 1891 Feb. 3.	*ATKINSON, CLAUDE WILLIAM ..	Glendale, Woodland Place, Penarth,
1885 Feb. 3.	*ATKINSON, JOHN .. .. ..	Boro' Surveyor, Stockport. [S.W.
T t m † 1888 Dec. 4.	*ATKINSON, LLEWELYN BIRCHALL	30 Veronica Road, Upper Tooting, (e/o H. S. King & Co., 45 Pall Mall, S.W.
1880 Dec. 7.	*ATKINSON, ROBERT PHILIP ..	17 Cranston Road, Forest Hill, S.E.
1902 Apr. 8.	ATKINSON, WILLIAM LOWE ..	Great Central Ry., Manchester.
1894 Jan. 9.	*ATLEY, GEORGE WILLIAM PERCY	41 Strada Britannica Vittorirosa, Malta.
1888 Dec. 4.	ATTARD, WALTER .. .. ..	{ 13 Siso Lane, Queen Victoria Street, E.C (Wolverley, London. Bank 5897.)
† 1878 Feb. 5.	ATTWOOD, GEORGE .. .. ..	Cleobury Mortimer, Salop.
1891 Mar. 3.	AUDEN, ARTHUR CHARLES ..	Box 536, Nyack, N.Y., U.S.
1884 Dec. 2.	AUSTEN, GEORGE IDEN ..	Harbour Board, Timaru, N. Zealand.
1888 Mar. 6.	AUSTIN, ALBERT ERNEST ..	Strangeways Ironworks, Manchester.
1873 Dec. 2.	*AUSTIN, EDWARD ROBERT ..	32 Bristol Rd., Edgbaston, Birmingham.
1896 May 19.	*AVELING, THOMAS CLIFFORD ..	Boyle Hill House, Rochester. [ham.
1882 May 23.	AVELING, THOMAS LAKE ..	Post Office, Durban, Natal.
1891 Dec. 1.	AYRES, THOMAS LAMBERT ..	Central Technical College, Exhibition Road, S.W.
† 1879 Feb. 4.	{ AYTON, Professor WILLIAM, EDWARD, F.R.S. .. .. ..	Ashfield Villas, Stockton-on-Tees.
† 1885 Apr. 14.	AYTOON, ROBERT .. .. ..	
1894 Jan. 9.	*BABTIE, JOHN TAYLOR .. ..	37 Church Street, Dumbarton, N.B.
1887 Dec. 6.	*BACH, FREDERICK WILLIAM ..	{ e.o. H. Bach, 25 Ainger Rd., Primrose Hill, N.W.
1890 Dec. 2.	BACH, JOHN EDMUND .. ..	Underwood Brothers, Dukinfield.
1896 May 5.	BACON, ARTHUR DRAX ..	Bronham Road, Bedford.
1897 Dec. 7.	{ *BADCOCK, HUGH DANIEL, M.A. (Oxon.) .. .. ..	Box 440, Pretoria, Transvaal.
1892 Dec. 6.	*BADER, FREDERICK ROBERT ..	P.W.D., Sankur, Sind, India.
1888 Mar. 6.	*BAGGS, EDWIN .. .. ..	3 Walcot Parade, Bath.
1892 Dec. 6.	*BAGOT, LEWIS BROWN ..	Storey Square, Barrow-in Furness.
1886 Apr. 6	{ *BAGSHAWE, FREDERICK THEO- DORE .. .. ..	10 Assiniboine Block, Winnipeg, Canada.
1887 May 24.	BAILES, WALTER HENRY ..	L. B. & S. C. Ry., London Bridge, S.E.

Date of Election.	ASSOCIATE MEMBERS.	
1894 Mar. 6.	*BAILEY, ARTHUR STOWEY .. ..	Loco. Dept., E.I. Ry., Jamalpur, India
1901 Apr. 2.	*BAILEY, JAMES HENRY .. ..	{Engineer's Office, G. N. Ry. King's Cross, N.
1892 Apr. 5.	*BAILEY, STANLEY CLAUDE .. ..	The Laurels, Banstead Road, Ewell.
1875 Dec. 7.	BAILEY, WILFRED .. ..	3 Tisbury Road, Hove.
1889 Mar. 5.	*BAILLIE, JAMES PICTON .. ..	Engineering Co., Cardigan.
1877 Feb. 6.	BAIN, THOMAS CHARLES JOHN .. ..	Woodside, Rondebosch, Cape Town.
1887 Dec. 6.	BAIRD, FRANK OSBORNE .. ..	39 Portland Road, Hove, Brighton.
1881 Dec. 6.	*BAKER, CHARLES JOHN SEYMOUR .. ..	47 Redcliffe Square, S. W.
1889 Jan. 8.	*BAKER, EARNEST WHEATSTONE .. ..	Lott and Walne, Dorchester.
1882 May 23.	*BAKER, EDWARD .. ..	{Stoneleigh, Eastern Avenue, Reading. (Baker, Gas, Reading.)
1900 Feb. 6.	{*BAKER, FRANK, B. Sc. ( <i>Victoria</i> ) .. ..	22 Paget Road, Wolverhampton.
1899 Dec. 5.	{*BAKER, GEORGE ARTHUR, MARSHALL .. ..	Woodgates, Kymberley Road, Ilar- row.
1901 Feb. 5.	*BAKER, REGINALD FRANCIS .. ..	Nenadd Waterworks, Torpantau, Merthyr Tydfil.
1894 Dec. 4.	{BAKER, TOM WILLIAM, B.A. ( <i>Cantab.</i> ) .. ..	Broad Street House, E.C.
†{1841 May 11.	BAKER, WILLIAM LEWIS.. ..	Hargrave, St. Neots.
†{1867 Mar. 26.	BALD, FRANCIS ALOYSIUS .. ..	[Street, E.C.
m † 1892 Dec. 6.	BALD, FRANCIS ALOYSIUS .. ..	Eng.'s Office, G. E. Ry., Liverpool
m † 1880 Apr. 6.	{*BALDWIN, ARTHUR ERNEST, Major <i>Pembroke Artillery</i> .. ..	Ernesbrake, Southend.
1897 Mar. 2.	*BALDWIN, LEONARD LUDOVIC .. ..	Melbourne St., Coalville, Leicester.
1901 Dec. 3.	{*BALDWIN-WISEMAN, WILLIAM, RALPH, M.Sc. ( <i>Victoria</i> ) .. ..	128 Alderney Street, Pimlico, S.W.
1894 Jan. 9.	*BALE, GEORGE ROBERT .. ..	36 Eyot Gardens, Chiswick, W.
1884 Jan. 8.	BALE, MANFRED POWIS .. ..	Appold Street, Finsbury, E.C.
1892 Dec. 6.	*BALL, BENJAMIN .. ..	Boro' Engineer, Nelson, Lancs.
1895 Mar. 5.	BALL, GEORGE .. ..	Urban District Council, Bexhill.
1899 Jan. 10.	BALL, JOHN, Ph.D. ( <i>Zürich</i> ) .. ..	Survey Dept., P.W.D., Cairo.
1899 Dec. 5.	BALL, ROBERT STEELE, Jun... ..	5 Cross Street, Manchester.
1900 Mar. 6.	*BALLANTYNE, THOMAS .. ..	5 Saltoun Gardens, Hillhead, Glas-
1874 Jan. 13.	{*BAMBER, ARTHUR LLOYD, COCHRANE .. ..	Waresly Lodge, Cheltenham.
† 1892 May 24.	*BAMFORD, CHARLES FREDERICK .. ..	c.o.H.S.King&Co., 45 Pall Mall, S.W.
1897 Mar. 2.	{BAMFORD, HARRY, M.Sc. ( <i>Victoria</i> ) .. ..	University, Glasgow.
1899 Mar. 7.	{BANCROFT, FRANCIS JAMES, B.Sc. ( <i>Lond.</i> ) .. ..	Town Hall, Hull.
1891 Mar. 3.	{BANDYOPADHYAY, KEISHNACH- ANDRA .. ..	24 Sankaripara Road, Bhowanipur, Calcutta.
1891 Apr. 7.	BANKS, CHARLES .. ..	Oamaru, New Zealand.
1890 May 20.	*BANKS, WALTER .. ..	{Council Offices, Heaton Norris. Stockport.
1895 May 21.	BANKS, WILLIAM .. ..	10 Albany Road, Rochester.
1890 Feb. 4.	BANNISTER, MAUNSEL CASWELL .. ..	Cold Storage Co., 7 Mutual Build- ings, Port Elizabeth, Cape Colony.
1895 Feb. 5.	*BARKER, EDWARD HAZELDINE .. ..	Firbeck, Whitwell, Chesterfield.
1893 Feb. 7.	*BARHAM, HUGH GARRATT FOSTER .. ..	Water Engineer, Brisbane, Queens- land.
m † 1893 Dec. 5.	*BARKER, CHARLES DAVIDSON .. ..	231 St. Vincent Street, Glasgow.
m † 1901 Jan. 8.	*BARKER, HAROLD WOOD .. ..	17 Woodville Terrace, Bradford.
1892 Mar. 1.	*BARKER, JOSEPH WILLIAM .. ..	Town Hall, Stratford, E.
1891 Dec. 1.	*BARKER, LÉON HARRY .. ..	Bengal-Nagpur Ry., Jagatpur, India.
1894 Mar. 6.	*BARKER, OSWALD .. ..	52 Victoria Road, Swindon.
1890 Mar. 4.	BARKER, RAYNER CHILDE, C.I.E. .. ..	{Indo-European Telegraph Depart- ment, Teheran, Persia.
1895 Dec. 3.	BARKER, THOMAS .. ..	{17 Woodville Terrace, Little Horton Lane, Bradford.

Date of  
Election.

## ASSOCIATE MEMBERS.

1894 Dec. 4.	BARLOW, JOSEPH WILMOT .. .. ..	
1896 Mar. 3.	BARNARD, ADAM SEDGWICK .. .. ..	{ City Electrical Engineer, Seucleates Lane, Hull.
1891 Feb. 3.	*BARNARD, HENRY CUTHBERT .. .. ..	Railway, Ipoh, Perak, S.S.
† 1890 May 6.	{ *BARNARD, ROBERT CARY .. .. .. HENSLOW .. .. .. .. ..	G.I.P. Railway, Bombay.
1892 Dec. 6.	*BARNBY, REGINALD CLAYTON .. .. ..	{ Hull & Barnsley Ry., Engineer's Office, Hull.
1888 Dec. 4.	{ *BARNES, CHARLES ARTHUR ALBERT .. .. .. .. ..	Prospect House, Cape Coast Castle, West Africa.
1896 May 5.	BARNES, JOHN .. .. .. .. ..	97 Fishergate, Preston.
1887 Dec. 6.	{ BARNES, ROBERT SAMUEL WEMYSS .. .. .. .. ..	Durban Club, Durban, Natal.
1892 Dec. 6.	BARNES, SIDNEY WALTER JOHN .. .. .. .. ..	19 Denmark Road, Ealing, W.
1884 Feb. 5.	BARNETT, CHARLES WILLIAM .. .. .. .. ..	{ Logan's Buildings, Beech Street, Penang, S.S.
1894 Dec. 4.	*BARNETT, WALTER GEORGE .. .. .. .. ..	Grindlay, Groom & Co., Bombay.
1894 May 1.	BARON, JOSEPH EDWARD .. .. .. .. ..	{ Ry. Dept., Existing Lines Office, Perth, Western Australia.
m † 1898 Mar. 1.	{ *BARRACLOUGH, SAMUEL HENRY, B.E. ( <i>Sydney</i> ) .. .. .. .. ..	University, Sydney, N.S.W.
1874 Feb. 3.	BARRATT, HENRY .. .. .. .. ..	85 New Street, Altrineham.
1887 Jan. 11.	BARRATT, JAMES .. .. .. .. ..	Box 374, Sydney, N.S.W.
1894 Dec. 4.	*BARRATT, SAMUEL HARRY HILL .. .. .. .. ..	16 Exeter Rd., Brondesbury, N.W.
1886 Dec. 7.	BARRATT, THOMAS BLAMEY .. .. .. .. ..	{ Town Engineer, Fremantle, Western Australia.
1891 Dec. 1.	BARRETT, ERNEST JAMES .. .. .. .. ..	Town Hall, Staines. [ham.
1886 Dec. 7.	BARRETT, SYDNEY RUSSELL .. .. .. .. ..	Gas Dept., Council House, Birmingham.
1896 Jan. 14.	BARRINGER, HERBERT .. .. .. .. ..	78 Gracechurch Street, E.C.
1879 Mar. 4.	BARRON, CHARLES .. .. .. .. ..	Ovington, Alresford, Hants.
1896 May 5.	BARRON, JAMES, Jun. .. .. .. .. ..	Ribble Navigation, Preston.
1872 Dec. 3.	BARRON, WILLIAM ADAMSON .. .. .. .. ..	6 Frederick Place, Clifton, Bristol.
1892 Dec. 6.	*BARROW, ARTHUR ROBERT .. .. .. .. ..	(P.O. Box 559, Nelson, British Columbia.
1889 Dec. 3.	*BARROWCLIFF, GEORGE HARRY .. .. .. .. ..	Mill Street, Loughborough.
1889 Mar. 5.	{ *BARRY, HERBERT ALFRED LUCAS .. .. .. .. ..	{ 15 Great George Street, S.W. (Pintle, London. Westminster 367.)
1890 May 20.	BARRY, WILLIAM FITZ-GERALD .. .. .. .. ..	Co. Surveyor's Office, Monaghan.
1895 Jan. 8.	*BARTLETT, EDWARD CECIL .. .. .. .. ..	{ T. Stewart, 6 St. George's Chambers, Cape Town, C.C.
1896 Feb. 4.	BARTON, ANDREW .. .. .. .. ..	{ Admiralty, 21 Northumberland Avenue, W.C.
m 1884 Feb. 5.	*BASHALL, WILLIAM .. .. .. .. ..	{ Farington, Lovelace Gardens, Surbiton.
1896 Feb. 4.	BASSET, WALTER BASSETT .. .. .. .. ..	Hondeng-Goegnies, Belgium.
1887 Dec. 6.	*BASSETT, HERBERT STANHOPE .. .. .. .. ..	The Varelin, St. Martins, Guernsey.
1900 Dec. 4.	{ BASTOW, ARTHUR HENRY, M.A., M.C.E. ( <i>Melb.</i> ) .. .. .. .. ..	P.W.D., Travandrum, Travancore.
1886 Feb. 2.	BATCHELOR, CYRIL TALWORTH .. .. .. .. ..	Olton, near Birmingham.
1892 Mar. 1.	*BATCHELOR, THOMAS MACKENZIE .. .. .. .. ..	Board of Public Works, Dublin.
1894 May 22.	BATE, DOUGLAS CLAVELL .. .. .. .. ..	127 East Dulwich Grove, S.E.
1887 Feb. 1.	BATERDEN, JAMES RAE .. .. .. .. ..	{ 54 Brighton Grove, Newcastle-on-Tyne.
1899 Dec. 5.	BATES, WILLIAM .. .. .. .. ..	Electricity Station, Birkenhead.
1895 Dec. 3.	BATESON, HUGH .. .. .. .. ..	Assam-Bengal Ry., Badarpur, India.
1887 Dec. 6.	*BATLEY, CHARLES JOSEPH .. .. .. .. ..	{ Oldham Waterworks, Piethorn, Rochdale.
m 1882 Dec. 5.	*BATTEN, WILLIAM TOWNSHEND .. .. .. .. ..	Whitworth Chambers, Northampton.
1893 Apr. 11.	BATTERSBY, EDMUND .. .. .. .. ..	Great Ness House, Baschurch.
1902 Apr. 8.	{ BATTLE, WILLIAM AUBREY AYLMER .. .. .. .. ..	18 Clarendon Road, Leeds.
II † 1873 Dec. 2.	BAUERMAN, HILARY .. .. .. .. ..	14 Cavendish Road, Balham, S.W.

Date of Election.	ASSOCIATE MEMBERS.		
1893 Dec. 5.	BAXTER, GEORGE .. .. ..	..	93 Commercial Street, Dundee.
1890 Dec. 2.	BAYLEY, GEORGE HERBERT ..	..	17 Cooper Street, Manchester.
1892 Feb. 2.	BAYLEY, WALTER FRANCIS ..	..	1 Victoria Avenue, Hull.
1894 Dec. 4.	BAYLEY, WILLIAM THOMAS ..	..	
1884 May 6.	*BAYLIS, PERCY .. .. ..	..	10 Upper Colfe Rd., Forest Hill, S.E.
1892 Apr. 5.	BAYLIS, THOMAS PHILIP ..	..	Borough Surveyor, Droitwich.
1884 Dec. 2.	BAYLISS, THOMAS RICHARD ..	..	Belmont, Northfield, nr. Birmingham.
1850 Apr. 2.	{ BAYNES, CHARLES CHRISTOPHER CARLETON .. .. .. ..)	..	2 South Hill Park Gardens, N.W.
1891 Apr. 7.	*BAYNES, JOSEPH HENRY ..	..	Maryborough, Queensland.
1900 Apr. 3.	BAZALGETTE, EDWARD, Junr. {	..	Cherney, Arthur Road, Wimbledon Park, S.W.
1892 Dec. 6.	*BEADLE, FRANK EDWARD ..	..	{ 44 Morpeth Mansions, Victoria Street, S.W.
1892 Mar. 1.	*BEAL, EDWIN JAMES .. ..	..	Southern Outfall, Crossness, Kent.
1890 May 20.	{ *BEALE, BERTRAM ROBERT, B.A. ( <i>Cantab.</i> ) .. .. ..	..	37 Lime Street, E.C.
1888 Jan. 10.	BEALE, HENRY FITZ GERALD ..	..	Grindlay, Groom & Co., Bombay.
1874 Jan. 13.	{ *BEAMISH, GEORGE HORATIO TOWNSEND .. .. .. ..)	..	Spy Hill House, Queenstown, Cork.
1880 Mar. 2.	*BEAN, ALFRED WILLIAM THOMAS ..	..	47 Prince's Square, W.
1886 May 18.	BEAN, JOHN STENNITT .. ..	..	L. & N. W. Ry., Crewe.
1853 Dec. 6.	BEANES, EDWARD .. .. ..	..	Moatlauds, Paddock Wood, Kent.
1891 Feb. 3.	{ *BEARBLOCK, CHARLES WILLIAM JOHN, R.N. .. .. .. ..)	..	Admiralty, S.W.
1898 Dec. 6.	BEARD, ARTHUR CHARLES ..	..	{ London County Council, Spring Gardens, S.W.
1900 Jan. 9.	BEARD, EDWIN THOMAS ..	..	4 The Crescent, Scarborough.
1883 Dec. 4.	*BEARDMORE, WILLIAM LEE ..	..	
1899 Mar. 7.	BEATON, ANGUS JOHN .. ..	..	{ Govt. Rys., Port Elizabeth, Cape Colony.
1892 Apr. 5.	BEATTIE, GEORGE LENNOX ..	..	136 George Street, Edinburgh.
1898 Feb. 1.	{ *BEATTY, JOSEPH NICHOLSON, B.E. ( <i>Royal</i> ) .. .. .. ..)	..	Naylor Brothers, Raymond Street, Chester.
1887 Mar. 1.	*BEAUMONT, PERCY MUNRO ..	..	Maldon, Essex.
1891 Jan. 13.	{ BECHER, CHARLES FREDERICK, B.A.I. ( <i>Dubl.</i> ) .. .. .. ..)	..	County Council, Spring Gardens, S.W.
1889 Dec. 3.	*BECHER, HARRY, B.A. ( <i>Dubl.</i> ) ..	..	{ County Council, Spring Gardens, S.W.
1899 Jan. 10.	{ BECHER, WILLIAM STEWART, B.A.I. ( <i>Dubl.</i> ) .. .. .. ..)	..	Cwm Elan, Rhayader, Rads.
1893 May 16.	BECKETT, EDWARD HENRY ..	..	{ Sanctuary House, Tothill Street, Westminster, S.W.
1885 Dec. 1.	*BECKETT, WILLIAM MARLOW ..	..	33 Brazennose Street, Manchester.
1890 Mar. 4.	{ *BECKH, HARRY OSCAR, M.A. ( <i>Cantab.</i> ) .. .. .. ..)	..	Marvin, Beaconsfield Avenue, Chester.
1872 May 7.	BECKINGSALE, EDGAR WILLIAM ..	..	Eastrop Lodge, Basingstoke.
1891 Feb. 3.	*BECKS, GEORGE ARTHUR ..	..	{ Broadway House, Westminster, S.W.
m 1886 May 4.	*BECKWITH, ARTHUR .. ..	..	Usk Paper Works, Crickhowell.
1879 May 6.	*BEEMAN, JOSEPH SAMUEL ..	..	20 Maxilla Gardens, Notting Hill, W.
m 1899 Dec. 5.	*BEER, WALTER .. .. ..	..	{ 47 Victoria Street, S.W. (Argano, London.)
1894 Jan. 9.	BEESLEY, WALTER .. .. ..	..	11 Victoria Street, S.W.
1882 Feb. 7.	*BEEVER, BERNLF WATSON ..	..	9 Albert Square, Manchester.
1896 May 5.	BEKENS, CHARLES FREDERIC ..	..	Thos. Parker, Ltd., Wolverhampton.
1887 Jan. 11.	{ *BELCHER, HUGH WALTER, M.A. ( <i>Oxon.</i> ) .. .. .. ..)	..	53 Drayton Gardens, S.W.
1891 Mar. 3.	BELFIELD, REGINALD .. ..	..	{ Westinghouse Building, Norfolk Street, Strand, W.C.
1897 Jan. 12.	BELL, ANDREW WALKER ..	..	Burgh Engineer, Dunfermline, N.B.
1895 Dec. 3.	{ *BELL, ERNEST ALBERT SEY- MOUR, F.C.H. .. .. .. ..)	..	Inglisby, Shillong, Assam.

Date of  
Election.

ASSOCIATE MEMBERS.

1881 Dec. 6.	BELL, GEORGE .. .. ..	Boro' Surveyor's Office, Swansea.
1889 Jan. 8.	BELL, JOHN FERGUSON .. ..	Gas Company, Friar Gate, Derby.
1898 Dec. 6.	BELL, NORMAN MACLEOD .. ..	{ 102 Elizabeth Street, Brisbane, Queensland.
1896 Apr. 14.	*BELL, NORRIS GARRETT .. ..	Ry. Dept., Brisbane, Queensland.
1886 May 18.	*BELL, ORIENT .. .. ..	13 William Street, Woolwich.
1899 Apr. 11.	*BELL, WALTER HENRY .. ..	13 Uxbridge Road, Surbiton.
1897 Dec. 7.	BELLAMY, ALFRED ROWE .. ..	Algoa Lodge, Cale Green, Stockport.
1898 Jan. 11.	BELLAMY, CHARLES REVILL .. ..	Gas Department, Liverpool.
1883 Mar. 6.	BELLAMY, HENRY FRANKLIN .. ..	Kwala Lumpor, Selangor, S.S.
1880 Feb. 3.	{ *BELLINGHAM, AUGUSTUS .. ..	British Municipality, Tientsin, China.
	WILLIAM HARVEY .. .. ..	Gas Light Company, Shrewsbury.
1880 Apr. 6.	BELTON, WILLIAM .. .. ..	Hartland House, Bude, Cornwall.
1882 May 2.	{ BENCE-PEMBROKE, FREDERICK .. ..	
	CHARLES .. .. ..	Caixa 403, Rio de Janeiro.
1885 Dec. 1.	BENEST, EDWARD BENEST SHAW .. ..	Telegraph Works, Silvertown, E.
1894 Mar. 6.	BENEST, HENRY .. .. ..	Old Station House, Witton-le- Wear.
1893 Jan. 10.	*BENGOUGH, CYRIL FRANCIS .. ..	7 Brondesbury Park, N.W.
1884 Feb. 5.	*BENHAM, PERCY .. .. ..	E.F.O.B., Cachoeira, São Paulo, Brazil.
1882 Apr. 4.	BENNATON, NEWTON .. ..	e.o. Resident General, Selangor, S.S.
1900 Apr. 3.	BENNETT, EDWARD LEIGH .. ..	The Close, Salisbury. [land.
1892 Dec. 6.	*BENNETT, GERALD WINZAR .. ..	2 Wilmer Terrace, Parsonstown, Ire-
1885 Apr. 14.	BENNETT, HARRY JOHN TOLER .. ..	12 Hill Street, Edinburgh.
1889 Apr. 2.	BENNETT, JAMES BOWER .. ..	13 Drayton Gardens, Kensington, S.W.
1875 Apr. 6.	BENNETT, JOHN .. .. ..	
1894 Dec. 4.	{ *BENNETT, LIONEL VAUGHAN .. ..	5 King's Pier, Liverpool.
	B.A.I. ( <i>Dubl.</i> ) .. .. ..	
1901 Apr. 2.	BENNETT, ROBERT FORBES .. ..	{ Engineer's Office, G. N. Ry., King's Cross, N.
1889 Dec. 3.	BENNETT, THOMAS .. .. ..	{ Kalk Bay Municipality, Muizen- berg, Cape Colony.
1897 Feb. 2.	BENNETT, THOMAS .. .. ..	8 Hindes Road, Harrow.
† 1880 Dec. 7.	{ BENNETT, WILLIAM BENJAMIN .. ..	Midland Bank Chambers, South- ampton.
	GEORGE .. .. ..	
1885 Dec. 1.	BEN-SAUDE, JOAQUIM .. ..	Ben-Saudé & Cie., Lisbon, Portugal.
1881 Dec. 6.	BENSON, CHRISTIAN .. .. ..	Govt. Rys., Sekondi, Gold Coast.
1886 Apr. 6.	*BENSON, DAVIS EDMONDSON .. ..	18 Lansdowne Rd., Southport. (Executive Engineer, Ahmednagar,
1887 Dec. 6.	*BENSON, JOHN JAMES BOURNE .. ..	India.
1898 Apr. 5.	*BENSON, WILLIAM .. .. ..	Boro' Engineer's Office, Salford.
1898 Apr. 5.	BENTLEY, JAMES HENRY .. ..	6 Fern Street, Oldham.
T t † 1892 Jan. 12.	BERG, SIGVARD JOHNSON .. ..	Chur, Switzerland.
1901 Jan. 8.	{ *BERGMAN, GEORGE ERNEST .. ..	29 Priory Read, Kilburn, N.W.
	B.A. ( <i>Cantab.</i> ) .. .. ..	
1894 May 22.	*BERINGER, OTTO LEOPOLD .. ..	{ Coniston, Crystal Palace Park Road S.E.
1896 May 19.	*BERKELEY, ARTHUR MOWBRAY .. ..	The Almners, Chertsey.
1891 Mar. 3.	BERKLEY, MICHAEL GRAHAM .. ..	King, King & Co., Bombay.
m 1897 Dec. 7.	*BERRIDGE, HAROLD .. .. ..	Pallion Shipyard Extension, Sun- derland.
1883 Dec. 4.	BERRIDGE, ROBERT .. .. ..	Highlands, Old Park Road, Enfield.
† 1885 Dec. 1.	{ BERRINGTON, RICHARD EVANS .. ..	Graiseley House, Wolverhampton.
	WILLOUGHBY .. .. ..	c.o. Agent, Southern Mahratta Ry., India.
1896 Jan. 14.	{ *BERRY, ROBERT ALEXANDER .. ..	Bridgewater Trust, Walkden, Lanes.
	JOHN .. .. ..	{ Contractor's Office, Gerrards Cross, Bucks.
1891 Dec. 1.	BERRY, WILLIAM WALTON .. ..	Woking Waterworks, Chertsey.
1891 Apr. 7.	*BERTLIN, ANTHONY .. .. ..	Walker, Sons and Co., Colombo, Ceylon.
1897 Feb. 2.	BERTLIN, PERCY WALTER .. ..	
1890 Feb. 4.	BESANT, FREDERICK WILLIAM .. ..	

Date of Election.	ASSOCIATE MEMBERS.
1894 Jan. 9.	*BESSEMER, ALFRED GEORGE, Jun.
1886 May 18.	*BEST, HARRY ROBERTSON ..
1888 May 15.	BESWICK, WILLIAM HENRY ..
1880 Dec. 7.	BETTS, EDWARD PETO ..
1897 Mar. 2.	*BEVAN, PHILIP JAMES ..
1888 Dec. 4.	BEVERIDGE, JOHN ..
1877 Mar. 6.	*BEYNON, GEORGE WILLIAM ..
1892 Jan. 12.	BEYNON, JOHN COWELL STARK ..
1886 May 18.	BHADA, NASARVANJI DORABJI ..
1897 Dec. 7.	BHORE, JOHN ..
1900 Jan. 9.	{ BICKERDIKE, ROBERT, Jun. } Ma.E. ( <i>McGill</i> ) ..
1894 May 1.	*BICKERSTETH, EDWARD CHARLES ..
1897 Apr. 6.	{ *BICKERTON, WILLIAM HENRY, } Jun., B.Sc. ( <i>Victoria</i> ). ..
1902 Jan. 14.	{ *BIDWELL, LEONARD SHELFORD, } B.A. ( <i>Cantab.</i> ) ..
1875 Feb. 2.	BIEBER, ALBERT OTTO ..
‡ 1887 Dec. 6.	BIGGART, ANDREW STEVENSON ..
1900 Mar. 6.	BIGGS, ALBERT ASHLEY ..
1887 Dec. 6.	BIGLEY, THOMAS MOYLES ..
1892 Dec. 6.	*BILL, HERBERT EDWARD ..
1892 Mar. 1.	BILTON, HENRY JOHN INWOOD ..
1888 Dec. 4.	BINET, EDWARD PHILIP ..
1897 Feb. 2.	*BINGHAM, PERCY MOORE ..
1900 Dec. 4.	{ *BINNIE, ALEXANDER THOMAS, } B.A. ( <i>Cantab.</i> ) ..
1896 Apr. 14.	BINNY, WILLIAM MURRAY ..
1884 Feb. 5.	{ *BIRCH, EDWARD ROBERT, } B.A.I. ( <i>Dubl.</i> ) ..
1885 Dec. 1.	*BIRD, FRANCIS TREVOR ..
1881 Dec. 6.	BIRD, GEORGE ROWLAND ..
1883 Feb. 6.	{ BIRD, HUGH WILLIAM STONE- } HEWER ..
1896 May 19.	*BIRD, SIDNEY JAMES ..
1883 May 29.	*BIRD, WILLIAM HENRY ..
1843 Mar. 7.	BIRKBECK, GEORGE HENRY ..
1883 Apr. 3.	*BIRKETT, ROBERT ..
1900 Dec. 4.	{ *BIRKS, LAWRENCE, } B.Sc. ( <i>Adelaide</i> ) ..
1892 Dec. 6.	BIRNIE, NORMAN ..
1890 Dec. 2.	*BIRT, RAYMOND JOHN ..
1897 Feb. 2.	*BIRT, RUDING SPENCE ..
1901 Apr. 2.	*BISUOP, CHARLES HERBERT ..
1892 Dec. 6.	*BISS, CYRIL HOLM ..
1899 Dec. 5.	{ BITTENCOURT, ANTONIO BAP- } TISTA RAMOS ..
1894 Feb. 6.	{ BLACK, GEORGE MACARTNEY } CAMPBELL ..
1897 Apr. 6.	BLACK, ROBERT SMITH ..
m 1901 Apr. 2.	{ *BLACKBURN, ALFRED BROWN } ERNEST ..
	{ c/o Grosvenor Club, New Bond Street, W. }
	{ 47 Victoria St., S.W. (Nomizo, London, 3095.) }
	Moss Side, Exmouth.
	Hill House, Camberley, Surrey.
	12 Little College St., Westminster, S.W.
	{ Metropolitan Board of Water Supply, Pitt Street, Sydney, N.S.W. }
	G. W. Ry., Reading.
	Box 2926, Johannesburg, Transvaal.
	{ Assistant Water Engineer, Stone Building, Grant Road Station, Bombay. }
	{ Sivasamudram, Canvery Power Scheme Division, Mysore. }
	{ 180 St. James Street, Montreal, Canada. }
	1 Lord Street, Crewe.
	The Beeches, Whitechurch, Oxon.
	61 Bushwood Road, Kew Gardens.
	Boulevard Exelmans 126, Paris.
	{ 279 Nithsdale Road, Dumbreck, Glasgow. }
	King, King and Co., Bombay.
	{ 19 Castle Street, Liverpool. (Bigley, Liverpool, 6472.) }
	155 Lea Road, Wolverhampton.
	Ry. Dept., Melbourne, Victoria.
	Box 102, Krugersdorp, Transvaal.
	P.W.D., Sataragamuwa, Ceylon.
	Nile Reservoir Works, Assouan, Egypt.
	53 Victoria Street, S.W.
	Custom House, Londonderry.
	Grindlay, Groom & Co., Bombay.
	P.W.D., Bareilly, N.W.P., India.
	Gran Via E.L., Bilbao, Spain.
	{ H.M. Prison, Johannesburg, Transvaal. }
	Eng's Office, G. E. Ry., Liverpool
	31 King Henry's Rd., Hampstead, N.W.
	33 Cavendish Rd., Brondesbury, N.W.
	Electrical Tramways Dept., 51 Philip Street, Sydney, N.S.W.
	Ry. Dept., Melbourne, Victoria.
	Box 47, Germiston, Transvaal.
	{ Dovercourt, Montalt Road, Woodford Green. }
	The Gables, Egremont, Cheshire.
	Ry. Dept., Auckland, N.Z.
	P.W.D., Praça da Repnblica, Rio de Janeiro.
	Tilbroom Tea Co., Chandkhira P.O. Karimganj, India.
	Algeciras Ry., Gibraltar.
	Water Co., Maritime Buildings, Sandriland.

Date of Election.	ASSOCIATE MEMBERS.
1901 Dec. 3.	{ *BLACKBURN, CHARLES BEWICKE, B.Sc. ( <i>Victoria</i> ) .. .. .. } New Oxley, Wolverhampton.
1885 Apr. 14.	*BLACKBURN, CHARLES HENRY Rawal Pindi, India.
1883 Feb. 6.	*BLACKBURN, EDWARD HERBERT 6 Delahay St., Westminster, S.W.
1902 Apr. 8.	BLACKBURN, GERALD RICKETT { Tramways Department, 5 Forster Square, Bradford.
1890 May 6.	BLACKBURN, JOHN .. .. .. Colne Valley Waterworks, Bushey.
1893 May 2.	*BLACKER, JOHN RICHARD .. Rosslare, co. Wexford.
1881 Dec. 6.	BLACKETT, JAMES WILLIAM .. Badminton Club, Piccadilly, W.
1883 Feb. 6.	*BLACKMORE, GEORGE FREDERICK { 30 Rylett Crescent, Ilavescourt Park, W.
1895 Dec. 3.	BLACKSHAW, WALTER .. .. .. P.W.D., Taiping, Perak, S.S.
1888 Dec. 4.	BLACKSHAW, WILLIAM .. .. .. Boro' Surveyor, Stafford.
1874 Apr. 14.	BLACKWELL, CHARLES .. .. .. { Mount Lookout, Cincinnati, Ohio, U.S.
1899 Mar. 7.	{ *BLAINE, FREDERICK HOWIE, B.A. ( <i>Cantab.</i> ) .. .. .. } Sir Frederick Blaine, Jetty Street, Port Elizabeth, C.C.
1889 Jan. 8.	{ BLAINE, ROBERT GORDON, M.E. ( <i>Royal</i> ) .. .. .. } Afton Lodge, Stanley Road, South Woodford, N.E.
1889 Jan. 8.	*BLAIR, GEORGE, JUN. .. .. .. 4 Kinnoul Place, Dowanhill, Glas-
1878 Apr. 2.	BLAIR, JAMES MACLELLAN .. Clutha Ironworks, Glasgow. [gow.
1890 Apr. 1.	BLAKE, GEORGE BENJAMIN .. { County Engineer, Pahiatua, Wellington, N.Z.
1897 Apr. 6.	BLAKE, GEORGE ROBERTSON .. 219 St. Vincent Street, Glasgow.
1895 May 21.	BLAKE, HENRY KYNASTON .. 17 Hopton Road, Streatham, S.W.
1897 Feb. 2.	*BLAKE, RUSTAT, B.A. ( <i>Cantab.</i> ) South Harrow Railway, Ealing, W.
1881 Feb. 1.	{ BLAKESLEY, JOHN HOLMES, M.A. ( <i>Cantab.</i> ) .. .. .. } 55 Victoria Street, S.W.
1869 Dec. 7.	BLAXLAND, GEORGE .. .. .. Gillingham House, near Chatham.
1896 Apr. 14.	BLEAZBY, ROBERT, B.A.I. ( <i>Dubl.</i> ) { Ry. Dept., Coolgardie, Western Australia.
1900 Mar. 6.	{ *BLES, CHARLES MARCUS, M.Sc. ( <i>Victoria</i> ) .. .. .. } Dehri on Sone, Shahabad.
1893 Dec. 5.	BLEW, ANDERSON WEBB .. { Cia. de Tierras, Vera, Santa Fé, Argentina.
1887 May 24.	BLIZARD, JOHN HENRY .. .. .. Lansdowne House, Southampton.
1886 Jan. 12.	{ *BLOMFIELD, VALENTINE JOHN, STUART .. .. .. .. } D.P.W., Moss Vale, N.S.W.
1887 Mar. 1.	BLUE, JOHN ALEXANDER CRAIG Nile Reservoir Wks., Assuan, Egypt.
1887 Feb. 1.	*BLUETT, FREDERICK .. .. .. 6 College Road, Exeter.
1884 May 27.	BLUM, ALEXANDER SAMUEL .. Hotel Impérial, Vienna.
1897 Jan. 12.	BLUNDELL, JOHN CHRISTOPHER { Eng's Office, G.W. Ry., Theatre Royal Chambers, Cardiff. [burgh.
1891 Apr. 7.	BOATH, ROBERT .. .. .. N.B. Ry., 23 Waterloo Place, Edin-
1889 Dec. 3.	BOEY, WILLIAM .. .. .. { Salisbury House, London Wall, E.C. (Buccula, London.)
1899 Feb. 7.	BODDIE, CHARLES LITTLEBOY County Surveyor, Londonderry.
1893 Dec. 5.	BODE, HUBERT FRANCIS TORIANO { Ry. Construction Branch, P.W.D., Sydney, N.S.W.
1882 Dec. 5.	BOGER, JOHN RICHARD .. .. .. West Middlesex Waterworks, Barrow Hill, Regent's Park, N.W.
1899 Dec. 5.	{ *BOISSIÈRE, HECTOR ELIE DE, B.Sc. ( <i>Edin.</i> ) .. .. .. } Admiralty Harbour Works, Dover.
T t ✚ 1891 Dec. 1.	*BOLTON, REGINALD PELHAM .. { Syndicate Building, Liberty and Nassau Streets, New York, U.S.
1879 Feb. 4.	*BOND, CECIL PHILIP WILLIAM { 136 Haydon's Park Road, Wimbledon, S.W.
1889 Dec. 3.	BOND, GEORGE CRESWELL .. Aspley House, Nottingham.
1891 Jan. 13.	BOND, HORACE SAMUEL .. Midland Ry., Brecon.
1891 Mar. 3.	BOND, WALTER .. .. .. Boro' Surveyor's Office, Swansea.
1898 Apr. 5.	*BONHAM-CARTER, REGINALD.. Consulado Británico, Linares, Spain.
1897 Mar. 2.	*BOOTH, HUBERT CECIL .. .. .. 25 Victoria Street, S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1901	Feb. 5	*BOOTHROYD, WILLIAM ALEC..	30 Leyland Road, Southport.	
1876	Dec. 5	{ BORRADAILE, ARTHUR FREDERICK .. .. ..	} 8 Burleigh Place, Darlington.	
1902	Apr. 8	{ BORRETT, CHARLES ROBERT DUDLEY .. .. ..	} 8 Castlebar Road, Ealing, W.	
1898	Dec. 6	BOSCawEN, PERCIVAL NOEL ..	Dockyard, Liverpool.	
1893	Mar. 7	*BOSMAN, WALTER .. .. ..	P.W.D., Durban, Natal.	
1886	Dec. 7	*BOTHAMS, ALFRED CHAMPNEY ..	32 Clipper Lane, Salisbury.	
1897	Mar. 2	*BOTLEY, CHARLES FREDERIC ..	Guildables, Hastings.	
1896	Dec. 1	BOTTERILL, CHARLES .. ..	{ St. Botolph's, Fulham Palace Road, S.W.	
1892	Dec. 6	*BOTTLE, FRANK WALKER ..	46 Charlwood Street, Pimlico, S.W.	
1899	Dec. 5	BOULDEN, FREDERICK .. ..	{ Technical Department, University College, St. George's Square, Sheffield.	
T t ♫	1879	MAY 27	BOULT, WILFRID SWANWICK ..	20 Park Road, Wandsworth, S.W.
1884	Dec. 2	*BOULTON, JAMES FETTES ..	Praya Reclamation Works, Hong Kong.	
1888	May 15	BOURCHIER, EDWARD HERBERT ..	32 Great George Street, S.W.	
1894	Jan. 9	BOURGUJD, AGUSTIN EMILIO ..	{ Credito Industrial Gijones, Gijon, Asturias, Spain.	
1883	Feb. 6	{ *BOURKE, PALMER AUGUSTUS, B.A.I. ( <i>Dubl.</i> ) .. .. ..	Small Arms Factory, Small Heath, Birmingham.	
1894	May 22	BOURNE, CHARLES .. .. ..	Fabbrica del Gaz, Milan.	
1884	Mar. 4	*BOURNE, JAMES JOHNSTONE ..	14 Manor Park, Lee, S.E. [S.W. c.o. Miss Bourne, 18 Hereford Square,	
1877	Dec. 4	BOURNE, ROBERT WILLIAM ..	Peking Syndicate, Tientsin, China.	
1890	Feb. 4	*BOURNE, THOMAS JOHNSTONE ..	Sebright Lawn, Worcester.	
1873	May 6	BOURNE, WILLIAM TEMPLE ..		
1900	Dec. 4	{ *BOVEY, EDWARD PALK, Junr., B.A.Sc. ( <i>McGill.</i> ) .. .. ..	1 Clifton Grove, Torquay.	
1896	Apr. 14	*BOWDEN, ERNEST NEWTON ..	14 Ridgefield, Manchester.	
1893	Jan. 10	BOWDEN, FREDERICK WILLIAM ..	Public Offices, Grassendale, Liverpool.	
1893	Apr. 11	BOWDEN, HENRY WHITE ..	{ 27 Langham Mansions, Earl's Court, S.W.	
1869	Feb. 2	BOWDEN, JOHN .. .. ..	{ Ridgefield, John Dalton Street, Man- chester.	
1899	Dec. 5	{ BOWEN, ERNEST FRANCIS SINDERBY .. .. ..	Public Works Office, Barbados.	
1881	Apr. 5	BOWEN, JOHN .. .. ..	Borough Engineer, Reading.	
1900	Dec. 4	{ *BOWEN, MERVYN WILLIAM COLE, B.A.I. ( <i>Dubl.</i> ) .. .. ..	Govt. Rys., Avisawella, Ceylon.	
1890	Dec. 2	BOWEN-JONES, WILLIAM THOMAS ..	Bronala, Carnarvon.	
1899	Mar. 7	*BOWER, THOMAS BOWYER ..	Box 55, Kanowna, Western Australia.	
†	1891	Dec. 1	BOWES, ARTHUR .. .. ..	Town Hall, Earlestown, Lancs.
1898	Mar. 1	BOWKER, ARTHUR FRANK ..	Ightham, Kent.	
1893	Mar. 7	BOWLES, AUGUSTUS ROBERT ..	Surveyor's Office, Sandgate.	
1894	May 1	*BOWMAN, ERNEST JOHN VIVIAN ..	{ Bengal-Nagpur Ry., Adra Station, Ragundathpur P.O., Manbhumi, Bengal.	
1900	Dec. 4	BOWMAN, JOHN .. .. ..	{ P.W.D., Tramway Branch, Sydney, N.S.W.	
1896	Apr. 14	BOX, EDWARD .. .. ..	Smith's Dock Co., North Shields.	
1896	Apr. 14	BOYD, ANDREW, B.E. ( <i>Royal</i> ) ..	48 Church St., Ballymena, Ireland.	
1899	Apr. 11	BOYD, JOHN CAMPBELL ..	3A Market Arcade, Carlisle.	
1880	Dec. 7	BOYLAN, JOHN .. .. ..	Imperial Chambers, Auckland, N.Z.	
1902	Jan. 14	{ *BOYLE, EDWARD SEYMOUR SKINNER .. .. ..	Hotel Tortosa, Almeira, Spain.	
1895	Apr. 2	*BOYLE, JOHN CHARTERS ..	The Mall, Armagh.	
1898	Feb. 1	BRACKEN, THOMAS WILSON ..	5 North Terrace, Newcastle-on-Tyne.	
1898	Apr. 5	{ *BRACKENBURY, CHARLES ERNEST .. .. ..	Continental Union Gas Co., 7 Drapers Gardens, E.C.	
1893	Feb. 7	{ *BRADFIELD, JOHN JOB CREW, M.E. ( <i>Sydney</i> ) .. .. ..	Roads and Bridges Dept., Sydney, N.S.W.	
1889	Jan. 8	*BRADFORD, HUGH MELLER ..	169 Bethune Road, Stamford Hill, N.	
1893	Feb. 7	*BRADLEY, ARTHUR WALTER ..	Boro' Engineer, Bury, Lancs.	

Date of  
Election.

## ASSOCIATE MEMBERS.

1893	Dec.	5.	*BRADLEY, JAMES WILLIAM	..	Town Hall, Charing Cross Road, W.C. (V. Stevenius, 56 Rothwell Road,	
1895	Dec.	3.	*BRADSHAW, JOHN BARKER	..	Gosforth, Newcastle-on-Tyne.	
1892	May	24.	*BRADY, CHARLES ROBERT	..	Adswood, Stockport.	
1888	Mar.	6.	{BRAGA, ANTONIO LUSTOZA PEREIRA .. .. .. .. ..	..	P.O. Box 642, Rio de Janeiro.	
1900	Dec.	4.	*BRAID, GEORGE GLADMAN	..	{Y.M.C.A. Club, 100 Bothwell Street, Glasgow.	
1891	May	5.	{BRAIN, FRANK WILLIAM THOMAS .. .. .. .. ..	..	Trafalgar House, Drybrook, Glos.	
1884	Dec.	2.	BRAMAH, EDWARD HENRY	..	Clonsecon, Bridge of Weir, N.B.	
1883	Dec.	4.	BRANHAM, WILLIAM	..	86 Bow Road, E.	
1894	Dec.	4.	BRANDRAM, ANDREW GEORGE	..	Borough Engineer's Office, St. Helens.	
1897	Apr.	6.	BRANFILL, BENJAMIN	..	26 London Rd., Neath, South Wales.	
1864	May	24.	BRANFILL, JOHN ARTHUR CAPEL	..	25 Rosendale Rd., W. Dulwich, S.E.	
1863	Jan.	13.	BRASSINGTON, JOHN WATTS	..	17 Gloucester Walk, Campden Hill, W.	
1894	Dec.	4.	*BRAZIL, JOSEPH PETER	..	Vulcan Works, Avonside, Bristol.	
1894	Dec.	4.	*BREARLEY, FREDERICK THOMAS	..	{Cape Glass Co., Simonstown, Cape Colony.	
1880	Feb.	3.	*BREBNER, ROBERT CHARLES	..	4A St. Andrew Square, Edinburgh.	
1890	Mar.	4.	*BRENNER, ALEXANDER	..	Damoh, C.P., India.	
†	1898	Dec.	6.	BREMNER, CHARLES EDWARD	..	Waimate, South Canterbury, N.Z.
	1895	Dec.	3.	*BREMNER-DAVIS, WILLIAM JOSEPH	..	{Read & Co., 5 Colston Buildings, Malvern Link.
	1888	Dec.	4.	*BRENCHLEY, JOHN VAUGHAN	..	Glanerw, Cardigan.
	1891	Dec.	1.	BRERETON, LEONARD	..	Govt. Rys., Maritzburg, Natal.
	1885	Apr.	14.	*BREWER, FRANK	..	{Orange Mountain Traction Co., Box 1, Orange Valley, N.J., U.S.
	1901	Dec.	3.	{*BREWER, ROBERT WELLESLEY ANTONY .. .. .. .. ..	..	Queen Anne's Mansions, St. James's Park, S.W.
	1883	May	1.	{BREWSTER, EDWIN HENRY GEORGE .. .. .. .. ..	..	12 Dartmouth Street, Queen Anne's Gate, S.W.
	1879	Feb.	4.	*BRICE, EDWARD ERNEST	..	Boro' Engineer's Office, Reading.
	1886	Mar.	2.	*BRICKNELL, FREDERICK WILLIAM	..	City Engineer's Office, Hull.
	1897	Jan.	12.	BRIERLEY, BRANDON TALFOURD	..	Linthwaite, Delph, Oldham.
	1891	Dec.	4.	BRIERLEY, JOHN HENRY	..	Boro' Surv.'s Office, Richmond, S.W.
‡	1877	Apr.	10.	BRIFFAULT, FREDERIC	..	6 Catheart Road, Kensington, S.W.
	1884	Dec.	2.	BRIGDEN, JAMES	..	11 Clifton Terrace, Brighton. (37.)
	1891	Dec.	1.	BRIGGS, CHARLES	..	Howden, East Yorks. [S.W.]
	1889	Mar.	5.	*BRIGHT, CHARLES, F.R.S.E.	..	21 Old Queen Street, Westminster,
	1889	Jan.	8.	*BRIGHT, PHILIP	..	2 Newgate Street, E.C.
	1886	Jan.	12.	*BRINCKMAN, WILLIAM HENRY	..	Glan y Bala, Llanberis, N. Wales.
	1900	Dec.	4.	{*BRINDLEY, HARRY SAMUEL BICKERTON .. .. .. .. ..	..	3 Awoicho, Akasaka, Tokio, Japan.
	1886	Apr.	6.	*BRINE, ERNEST AUGUSTUS	..	The Poplars, Send, Woking.
	1897	Mar.	2.	BRISTED, RICHARD BOWER	..	c.o. R. F. Blair, 6 Eastcheap, E.C.
	1897	Apr.	6.	BRISTOW, ARTHUR GEORGE	..	{St. Andrew's Works, Bury St. Edmunds.
	1897	Jan.	12.	{*BRISTOW, CHARLES THEODORE LYTTELTON .. .. .. .. ..	..	Aylesford, Kent.
	1892	Dec.	6.	BRITTAIN, SAMUEL GEORGE	..	2 Nevery Road, Earl's Court, S.W.
C m ‡	1896	Dec.	1.	BRITTON, THOMAS JOHNSON	..	
	1880	Mar.	2.	*BRITTON, PERCY WILSON	..	30 St. Mary's Rd., Peckham, S.E.
	1894	Dec.	4.	BROAD, ALBERT EDWARD	..	8 Fitzroy St., Newtown, Sydney, N.S.W.
	1901	Dec.	3.	*BROADBIDGE, WALTER	..	38 Compton Avenue, Brighton.
	1902	Apr.	8.	{*BRODHURST, HUGH, M.A. (Cantab.) .. .. .. .. ..	..	7 Offerton Road, Clapham, S.W.
	1895	Dec.	3.	*BRODIE, JOHN BOYD	..	{Eng.'s Office, St. Enoch Station, Glasgow.
	1886	Dec.	7.	*BRODIE, JOHN SHANKS	..	Town Hall, Blackpool.
	1899	Dec.	5.	BRODIE, WILLIAM	..	Dockyard, Liverpool.
	1877	May	29.	*BRODIE, WILLIAM PATRICK	..	Mooltan, Punjab. [E.C.]
	1899	Dec.	5.	*BROMAGE, EDWIN ELLIOTT	..	Thames Conservancy, Embankment,

Date of Election.	ASSOCIATE MEMBERS.	
1884 Jan. 8.	BROOKE, WALTER .. .. ..	{ Lymestone, Goddington Road, Rochester.
1891 Dec. 1.	*BROOKS, ALBERT .. .. ..	{ Sir John Jackson, Keyham Dock- yard Extension, Devonport.
1891 May 12.	*BROOKS, ALFRED .. .. ..	Tweed River Harbour Works, N.S.W.
† 1893 Apr. 11.	BROOME, GEORGE HERBERT ..	Kaitangata, New Zealand.
1897 Feb. 2.	BROSTER, ROBERT BUCK..	{ Craven Bank Chambers, North Street, Keighley.
1889 May 21.	*BROUGH, JOHN WATKINS ..	{ Fabrique de Ciment Portland, Raevels, Belgium.
m 1883 May 1.	*BROUGHTON, URBAN HANLON..	{ 310 Bowling Green Offices, 11 Broadway, New York, U.S.
1885 Dec. .	*BROUNGER, SYDNEY GEORGE ..	{ c.o. H. C. Bicknell, Wraxhall, Castelnau, Barnes.
1894 May 1.	BROWN, ANDREW .. .. ..	{ 110 Cannon Street, E.C. (Browpost, London. Bank 647.) [London.]
1890 Apr. 1.	*BROWN, ARTHUR RICHARD ..	13 Lime Street, E.C. (Embedded,
1900 Apr. 3.	BROWN, CHARLES JOHN .. ..	{ Engineer's Office, North British Railway, Edinburgh.
1901 Dec. 3.	BROWN, CUTHBERT .. .. ..	{ District Council, Bedlington, North- umberland.
1887 Mar. 1.	BROWN, EDWARD JOHNSON ..	16 Bigby Street, Brigg, Lincs.
1883 Dec. 4.	*BROWN, FREDERICK BENJAMIN	7 Albion Road, Sutton, Surrey.
1882 May 23.	BROWN, GEORGE WILLIAM ..	{ Trothättan, Alexandra Road, Read- ing. (251.)
1895 May 21.	BROWN, HENRY LANE .. ..	Resident Engineer, Benares, India.
1900 Apr. 3.	BROWN, JAMES.. .. ..	21 Cranwich Road, Stamford Hill, N.
m 1893 Dec. 5.	*BROWN, JOHN WALTER .. ..	{ 57 Gracechurch Street, E.C. (Vitri- fied, London. Central 858.)
1889 Dec. 3.	BROWN, JOSEPH WILLIAM ..	Boro' Engincer, West Hartlepool.
1895 May 21.	{ BROWN, MATTHEW TAYLOR, B.Sc. (Glas.) .. .. ..	233 St. Vincent Street, Glasgow.
1892 Feb. 2.	*BROWN, PETER BOSWELL ..	22 Osgathorpe Road, Sheffield.
1897 Mar. 2.	BROWN, REGINALD .. .. ..	Public Offices, Southall, Middlesex.
1877 Dec. 4.	BROWN, THOMAS COMMON ..	147 Woodbridge Road, Ipswich.
1897 Dec. 7.	*BROWN, WILLIAM, B.Sc. (Edin.)	Irrigation Dept., Colombo, Ceylon.
f m 1902 Jan. 14.	{ *BROWN, WILLIAM LOWE, M.Sc. (Victoria) .. .. ..	Nile Reservoir, Assouan, Egypt.
1895 May 21.	*BROWNE, GERARD MACLEAY..	{ 4 Hanbury Street, Kalgoorlie, Western Australia.
1889 Apr. 2.	BROWNE, JOHN .. .. ..	Galdames Ry., Portugalete, Spain.
1902 Jan. 14.	*BROWNE, WILLIAM LYON, Jun.	53 Victoria Street, S.W.
1893 Dec. 5.	BROWNING, GEORGE ELLIOT..	{ Chief Engineer to Government. Trichur, Cochin.
1889 Dec. 3.	BROWNING, ROBERT ALEXANDER	Gasworks, Neath.
1887 Jan. 11.	*BROWNIDGE, CHARLES .. ..	Boro' Engincer, Birkenhead.
1896 Feb. 4.	BROXUP, CHARLES THOMAS ..	Loco.Supt., Rys., Manila, Philippines.
1892 Feb. 2.	BRUCE, HENRY.. .. ..	67 Crossgate, Cupar, Fife, N.B.
1895 May 21.	BRUCE, ROBERT ARTHUR ..	Buckton & Co., Wellhouse Foundry, Leeds.
1888 Apr. 10.	{ *BRUCE, ROBERT NIGEL DAL- RYMPLE, Major 3rd W. Riding Regiment .. .. ..	33 Belsize Crescent, Hampstead, N.W.
† 1884 Mar. 4.	*BRUGES, CHARLES ERNEST ..	1 Victoria Street, S.W.
1868 Dec. 1.	BRUNDELL, RICHARD SHAW ..	Redholme, Thorn Road, Doncaster.
1889 Apr. 2.	BRUNDRETT, ALEXANDER ..	1 Plastron Avenue, Cardiff.
1886 May 4.	BRUNTON, PHILIP GEORGE ..	Roads & Bridges Dept., Sydney.
1889 Feb. 5.	*BRUNTON, SYDNEY LINTON ..	Arc Works, Chelmsford. [N.S.W.]
1900 Dec. 4.	BRYANS, JOHN GEORGE .. ..	B.A. & Pacific Ry., Junin, Argentina.
1900 Feb. 6.	BRYCE, JOHN .. .. ..	{ Burgh Surveyor's Office, Partick, Glasgow.
1892 Dec. 6.	*BRYDGES, JOHN KEMPE.. ..	Electricity Works, Eastbourne.
1894 Dec. 4.	*BUCHAN, JAMES .. .. ..	{ Rhodesia Rys., Box 420, Bulawayo, South Africa.

Date of  
Election.

## ASSOCIATE MEMBERS.

1884 Dec. 2.	BUCHANAN, JAMES BEAUMONT	283 Bars Chambers, Oxford St., W.
1890 Jan. 14.	*BUCHANAN, JOHN BLAIR ..	{ G. S. Buchanan, 21 Ashton Terrace, Glasgow.
1899 Dec. 5.	BUCHANAN, JOHN HUGH ..	5 Oswald Street, Glasgow.
1900 Dec. 4.	BUCKLEY, HERBERT EDWIN ..	Marlbro' Terrace, Park Road,
1895 Dec. 3.	BUCKLEY, JOSEPH WILLIAM ..	Gasworks, Falmouth. [Bingley.
1897 Jan. 12.	BUCKLEY, MICHAEL JAMES ..	26 Bessboro' Ter., N.C.R., Dublin
1894 Feb. 6.	*BUCKNALL, HARRY ..	Shottrey Lodge, Stratford-on-Avon.
1890 Feb. 4.	BUDIBHATTI, KESHAVJI SHAMJI	P.W.D., Bhuj, Cutch, India.
1896 Dec. 1.	*BULFIN, IGNATIUS, B.A ( <i>Royal</i> )	Navarino, Bournemouth.
1888 May 15.	*BULL, HARRY FREESTONE ..	County Surveyor's Office, Chester.
1881 Dec. 6.	BULL, JAMES .. .. ..	Valverde, Eaton Gardens, W. Brighton.
1876 Mar. 7.	BULL, WILLIAM .. .. ..	153 Westbourne Terrace, W.
1885 Dec. 1.	BULLOCK, CYRUS .. .. ..	67 King Street, Manchester.
1887 Mar. 1.	BULLOCK, FRANK .. .. ..	150 Leadenhall Street, E.C.
1885 May 19.	BULLOUGH, ROBERT CROSSLEY	55 Piccadilly, Manchester.
1890 Dec. 2.	BULLOUGH, THOMAS ALLEN ..	Delfside, Deacon Road, Appleton, Widnes. [Durham.
1897 Apr. 6.	BULMAN, HARRISON FRANCIS ..	Barens Close, Burnopfield, co.
1890 Feb. 4.	BULMER, GEORGE HARLEY ..	Alquife, Guadix, Spain.
1891 Dec. 1.	*BULTEEL, HILLERSDEN ..	Naval Bank, Plymouth.
1883 Dec. 4.	*BUNNING, CHARLES ZIETHEN ..	Borax Consolidated, Constantinople.
1891 Apr. 7.	{ BURDEN, ALEXANDER MITCHELL, B.E. ( <i>Royal</i> ) .. .. ..	Comty Surveyor, Kilkeenny.
1874 Jan. 13.	*BURDER, WALTER CHAPMAN ..	Horticultural Works, Loughborough.
1896 Jan. 14.	BURDON, JOHN .. .. ..	101 Grosvenor Road, S.W.
1892 Apr. 5.	*BURGESS, ARTHUR JOHN ..	{ 20 Chesterfield Road, St. Andrews, Bristol.
1898 Mar. 1.	{ BURKITT, JAMES PARSONS, B.E. ( <i>Royal</i> )	County Surveyor, Enniskillen, Ireland.
† 1898 Mar. 1.	BURLS, GEORGE ARTHUR ..	Steam Carriage Co., Homefield, Chiswick, W.
1888 Dec. 4.	BURMAN, ERNEST SYDNEY ..	Town Hall, Melbourne, Victoria.
1895 Dec. 3.	*BURNE, EDWARD LANCASTER ..	Church Acre Works, Guildford.
1894 Mar. 6.	*BURNETT, CUTHBERT MILLER ..	24 Portland Street, Southampton.
1886 Apr. 6.	*BURRELL, LEONARD .. ..	37 Rua Santa Luzia, Rio de Janeiro.
1895 Dec. 3.	*BURROUGH, EDWARD SAVILLE	Eanswythe, Thornton Heath.
1893 Apr. 11.	BURROW, WILLIAM FREDERICK	{ D. P. W., Luckintyre Bridge, Maitland, N.S.W.
1895 May 21.	BURROWS, EDMUND .. .. ..	Swellendam, Cape Colony.
1885 May 19.	BURT, ARTHUR HAZELDEIN ..	Lismore, New South Wales.
1883 May 29.	*BURT, HENRY PARSALL ..	Eastern Bengal State Ry., Calcutta.
1896 Dec. 1.	*BURTON, AMOS .. .. ..	Borough Engineer, Stoke-on-Trent.
1890 Dec. 2.	{ *BURTON, EDWARD, M.A. ( <i>Cantab.</i> ) .. .. ..	{ Linton Croft, near Clitheroe. Warren Road, Blundellsands.
1885 Dec. 1.	*BURTON, GEORGE LEWIS ..	{ Liverpool.
1894 Mar. 6.	BUSCARLET, FRANCIS CHARLES	{ N.E. Ry., Engincer's Office, New- castle-on-Tyne.
1894 Dec. 4.	BUSH, ROBERT, B.A. ( <i>Oxon.</i> ) ..	Dockyard, Liverpool.
1902 Apr. 8.	BUSH, WALTER ERNEST .. ..	City Engineer's Office, Birmingham.
1900 Feb. 6.	{ *BUSSELL, CHARLES LESTOUR- GEON .. .. ..	The Hermitage, Harrow.
1881 May 31.	{ BUSK, CHARLES WESTLY, M.A. ( <i>Cantab.</i> ) .. .. ..	Kokane Creek, Nelson, British Columbia.
1896 Dec. 1.	BUTCHER, ARTHUR HOLT ..	The Vicarage, Brimcombe, Stroud.
† 1895 Feb. 5.	BUTLER, DAVID BUTLER ..	41 Old Queen St., Westminster, S.W.
1884 Feb. 5.	BUTLER, JAMES .. .. ..	{ Merlewood, Kenilworth Road, Leam- ington.
1874 May 5.	BUTLER, WILLIAM FREDERIC ..	14 Nicholas Street, Chester.
1881 Dec. 6.	BUTT, HENRY WILLIAM .. ..	{ Eng.'s Office, S.E. Ry., London Bridge, S.E. [C.C.
m † 1899 Feb. 7.	*BUTTERWORTH, ARTHUR SHAW	Municipal Engineer, Port Elizabeth,
1889 Dec. 3.	BYRES, DAVID THOMSON ..	104 Hamilton Place, Aberdeen.

Date of  
Election.

## ASSOCIATE MEMBERS.

1877 Dec. 4.	CABEZAS, ADOLFO GARCIA ..	Matagorda Graving Dock, Cadiz.
1889 Jan. 8.	CABLE, HENRY DARLINGTON ..	Brooklyn, Walsingham Rd., Hove.
† 1892 Dec. 6.	*CACCIA, JULIAN EDWARD ..	24 Via Gino Capponi, Florence.
1882 May 2.	*CAFFIN, FRANCIS CRAWFORD ..	Western House, Marlow, Bucks.
1890 May 20.	*CAFFIN, HERBERT ALEXANDER ..	G.E. Ry., Lowestoft.
1894 Jan. 9.	CAINK, THOMAS .. .. ..	Guildhall, Worcester.
1886 Dec. 7.	CAIRNCROSS, THOMAS WILSON ..	{ St. Barnabas Street, Cape Town, C.C.
1891 Apr. 7.	*CAIRNES, FREDERICK EVELYN ..	
1896 Dec. 1.	CAIRN-HODGE, ARTHUR .. ..	{ Watson & Co., 7 Waterloo Place, S.W. [S.S.
1883 Dec. 4.	*CALDICOTT, HARVEY .. ..	P.D.W., Seremban, <i>via</i> Singapore,
1887 May 24.	CALLAN, NICHOLAS .. .. ..	Harbour Engineer, Dundalk.
1884 May 6.	CALLCOTT, JOHN HOPE .. ..	{ Deputy Colonial Engineer, Penang, S.S.
1886 Dec. 7.	CALLEN, THOMAS .. .. ..	Boro' Engineer, Kimberley, C.C.
1894 Dec. 4.	*CALVERT, THOMAS COPLEY ..	Maybank, Manly, N.S.W.
1899 Feb. 7.	{ *CAMERON, ARCHIBALD PRES- TON, B.A. ( <i>Camab.</i> ) .. ..	Grindlay & Co., Calcutta.
1901 Apr. 2.	*CAMERON, ARTHUR .. .. ..	{ Engineer's Office, N.E. Ry., New- castle-on-Tyne.
1885 Apr. 14.	CAMERON, JAMES .. .. ..	{ 1 Maitland Avenue, Langside, Glas- gow.
1893 Dec. 5.	CAMERON, JOHN MINDORO ..	D.P.W., Armidale, New South Wales.
1891 Dec. 1.	{ CAMERON, WILLIAM LOCHIEL SAPE LOVETT .. ..	Superintending Engineer, Belgaum, India.
1887 Dec. 6.	*CAMPBELL, ADAM HORSBURGH ..	District Council, East Ham, E.
1885 Apr. 14.	CAMPBELL, ALBERT JOHNSTONE ..	17 Cleveland Gardens, W.
1899 Apr. 11.	*CAMPBELL, CHARLES ORR ..	{ South Indian Railway, Cuddalore, South Arcot, India.
1886 May 4.	CAMPBELL, GEORGE MURRAY ..	Mount House, Brasted, Kent.
1883 Dec. 4.	CAMPBELL, ROBERT LEWIS ..	S.I. Ry., Timorevly, India.
1886 Mar. 2.	CAMPBELL, WALTER HOPE ..	{ Egerton, Hubbard & Co., St. Peters- burg.
1875 Apr. 6.	*CAMPBELL, WILLIAM DUGALD ..	Cremorne Street, South Perth, W. Australia.
1881 Apr. 5.	CAMPBELL-THOMPSON, JOHN ..	Hull.
1894 May 22.	*CAMPION, FREDERIC ARTHUR ..	G.N. Ry., Peterborough.
1888 Apr. 10.	*CAMPION, ROBERT WILLIAM ..	G.I.P. Ry., Bombay.
1892 Apr. 5.	CANBY, THOMAS .. .. ..	L. & N. W. Ry., Walsall.
1878 Feb. 5.	CANET, GUSTAVE ADOLPHE ..	1 Boulevard Malesherbes, Paris.
1886 Jan. 12.	CANNING, THOMAS .. .. ..	{ Aragon House, Clytha Park, New- port Mon.
1899 Feb. 7.	CANNON, WILLIAM HENRY ..	{ St. Ronans, Leicester Road, New Barnet, Herts.
1885 Dec. 1.	*CAPRON, ATHOL JOHN .. ..	Green Oak, Totley, Sheffield.
1890 Jan. 14.	CARDEW, JOHN HAYDON ..	75 Pitt St., Sydney, N.S.W. (436.)
1875 Feb. 2.	*CARDOZO, FRANCISCO CORREA DE M.	Pernambuco.
1896 Mar. 3.	*CAREW-GIBSON, HARRY FREDERICK ..	Bridge House, Wallingford, Berks.
1893 Feb. 7.	*CAREW-GIBSON, JOHN GEORGE ..	Bridge House, Wallingford, Berks.
1888 Jan. 10.	*CAREY, EVELYN GEORGE ..	{ Sunnyside Avenue, Uddingston Glasgow.
1871 Mar. 7.	*CARFRAE, JAMES ALSTON ..	Holme Lodge, Wimbledon, S.W.
1877 Dec. 4.	CARLINE, JOHN .. .. ..	Merivale, Catford Bridge, S.E.
1894 Feb. 6.	*CARMICHAEL, GEORGE HENRY ..	134 Corve Street, Ludlow, Salop.
1891 Mar. 3.	*CARNE, FREDERICK WILLIAM ..	{ Western Jumna Canal, Delhi, Punjab.
m † 1893 Dec. 5.	*CARNEGIE, DAVID .. .. ..	232 Plumstead Common Road, S.E.
1902 Apr. 8.	CARNEGIE, WILLIAM .. ..	Polytechnic, Woolwich, S.E.
1889 Dec. 3.	*CARPENTER, JESSE FAIRFIELD ..	Cazenovia, New York, U.S.
1889 Apr. 2.	CARPENTER, WILLIAM JOHN ..	Gasworks, Great Yarmouth.
1891 Mar. 3.	*CARPMAEL, HENRY GIFFORD ..	3 St. Aubyns Mansions, Hove.

Date of  
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ASSOCIATE MEMBERS.

1897 Apr. 6.	CARMAEL, HERBERT ..	{ 42 Barrow Road, Streatham Common, S.W.
1901 Feb. 5.	*CARMAEL, RAYMOND ..	{ G.W. Ry. Harbour Works, Goodwick, Pembrokeshire.
1894 Feb. 6.	*CARR, LAWRENCE STATTER ..	1 Craufurd Terrace, Maidenhead.
1889 Dec. 3.	*CARRICK, HENRY HAWKSHAW ..	N.E. Ry., Sunderland.
1896 Jan. 14.	*CARROLL, ALEXANDER ERNEST ..	{ L. B. & S. C. Ry., Eng.'s Office, London Bridge, S.E.
1894 Dec. 4.	*CARTE, HUMFREY ALLEYNE ..	13 Upper Woburn Place, W.C.
1892 Dec. 6.	*CARTE, RALPH GEORGE ..	P.W.D., Galle, Ceylon.
1894 Dec. 4.	*CARTER, GEORGE FEARNLEY ..	Deputy Borough Engineer, Croydon.
1871 Dec. 5.	*CARTER, HENRY .. .. ..	{ 65 Victoria Street, S.W. (Sanitation, London.)
1884 Dec. 2.	*CARTER, RODERICK EDMOND ..	{ c.o. H. S. King & Co., 45 Pall Mall, S.W.
1900 Dec. 4.	{ *CARTER, WILLIAM BELLINGHAM, B.A.I ( <i>Dubl.</i> ) .. ..	Engineer's Office, G.W. Ry., Paddington, W.
1901 Apr. 23.	CARTER, WILLIAM CHARLES ..	{ 27 Connaught Road, Harlesden, N.W.
1876 Feb. 1.	*CARTMELL, JOSEPH .. ..	Maryport and Carlisle Ry., Maryport.
1902 Jan. 14.	{ CARTWRIGHT, EDMUND BRUCE	{ 1 Campden House Terrace, Kensington, W.
	{ WILLOUGHBY, M.A. ( <i>Cantab.</i> )	Municipal Commission, Howrah, Bengal.
1895 Mar. 5.	*CARTWRIGHT, FRANK .. ..	41 Old Queen Street, Westminster, S.W.
1887 Dec. 6.	{ *CARUS - WILSON, CHARLES ASHLEY, M.A. ( <i>Cantab.</i> ) ..	118 Napierhill Street, Glasgow.
1900 Dec. 4.	{ CARVER, THOMAS ALBERT BRIGGS, B.Sc. ( <i>Glas.</i> ) ..	66 Duke's Avenue, Chiswick, W.
1890 Jan. 14.	*CARY, ARTHUR PIT CHAMBERS ..	{ c.o. Grindlay & Co., Parliament Street, S.W.
1881 Apr. 5.	CARY, SULYARDE BERNARD ..	The Cottage, Greatham, Stockton-on-Tees.
1892 Jan. 12.	CASEBOURNE, CHARLES BASTOW ..	Eng.'s Office, G.W.Ry., Paddington, W.
1891 Jan. 13.	{ *CASIMAN, WILLIAM ALOYSIUS, B.E. ( <i>Royal</i> ) .. .. ..	P.W.D., Perth, Western Australia.
1891 Dec. 1.	CASTILLA, HENRY COUPER ..	Rua da Alfandega 6, Rio de Janeiro.
1884 Apr. 1.	{ CAVALCANTI, JOSÉ BARBALHO UCHÔA .. .. ..	R.E. Office, 44 Charing Cross, S.W.
1892 Apr. 5.	CAWS, BYRON FRANK .. ..	{ c.o. H. S. King & Co., 45 Pall Mall, S.W.
1882 Mar. 7.	*CHADWICK, WILLIAM, F.C.H. ..	Villa Nova de Lima Estado de Minas, Morro Velho, Brazil.
1893 Dec. 5.	CHALMERS, GEORGE .. ..	c.o.12 Old Park Avenue, Balham, S.W.
1894 Mar. 6.	CHALMERS, NATHANIEL .. ..	Harbour Office, Belfast.
1899 Dec. 5.	*CHAMBERLAIN, WILLIAM YOUNG ..	Brookfield House, Harehill's Avenue, Leeds.
1890 Mar. 4.	*CHAMBERS, CHARLES, JUN. ..	Electric Light Office, Gibraltar.
1897 Mar. 2.	CHAMBERS, MARCUS STANLEY ..	12 Dartmouth St., Westminster, S.W.
1893 Apr. 11.	CHAMPION, ALFRED JOHN ..	87 Queen Street, Melbourne, Victoria.
t <sup>+</sup> 1891 Jan. 13.	{ CHAMPION, HENRY VINE, M.C.E. ( <i>Melb.</i> ) .. ..	104 Queen Victoria Street, E.C.
1878 Feb. 5.	CHANCELLOR, JOHN THORNTON ..	Court House Chambers, Buxton.
1886 Dec. 7.	CHAPMAN, ALBERT BARNES ..	Govt. Rys., Port Elizabeth, C.C.
1883 Apr. 3.	*CHAPMAN, ARTHUR DODWELL ..	Govt. Rys., Cape Town, C.C.
1897 Apr. 6.	CHAPMAN, GEORGE GRANT ..	R.E. Office, Grand Parade, Brighton.
1888 Dec. 4.	CHAPMAN, GEORGE JAMES ..	The Haven, Wembley.
1876 Mar. 7.	CHAPMAN, JAMES LAWRENCE ..	Walter Scott & Middleton, Ashington, Sheffield.
1900 Dec. 4.	*CHAPMAN, JESSE EDWARD ..	Waterworks Co., 27 Broad Street, Jersey.
1891 Dec. 4.	*CHAPMAN, SAMUEL CHRISTOPHER ..	P.W.D., Colombo, Ceylon.
1892 May 3.	*CHAPMAN, THOMAS HOWARD ..	

Date of  
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## ASSOCIATE MEMBERS.

1900 Dec. 4.	{ *CHARLES, ALEXIS AMAND DALLISON .. .. .. .. }	Beira & Mashonaland Rys., Umtali, East Africa.
1886 Apr. 6.	*CHARNOCK, GEORGE FREDERICK	Technical College, Bradford.
1887 Mar. 1.	*CHARRINGTON, EDMUND ..	63 Queen Victoria Street, E.C.
1892 Mar. 1.	*CHARTERS, ROBERT HEARN ..	{ 6 St. George's Chambers, Cape Town, C.C.
m † 1892 Dec. 6.	{ *CHATTERTON, ALFRED, B.Sc. (Lond.) .. .. .. .. }	College of Engineering, Madras.
m 1894 Apr. 3.	*CHATTERTON, BERTRAM ..	10 Mundania Rd., Peckham Rye, S.E.
1901 Mar. 5.	{ CHATWOOD, ARTHUR BRUNEL, B.Sc. (Lond.) .. .. .. .. }	The Withins, Breightnet, Bolton.
1881 Dec. 6.	*CHAUNTLE, FRANK .. .. .. ..	{ Easton and Church Hope Ry., Portland.
1899 Apr. 11.	*CHEEKE, WILLIAM ALEXANDER	{ Bachelors Lodge, Navan, Co. Meath.
1900 Dec. 4.	CHETTLE, WILLIAM ARTHUR ..	86 Haverhill Road, Balham, S.W.
1898 Feb. 1.	{ CHETWYND, HENRY GOULBURN WILLOUGHBY .. .. .. .. }	Chipstead Valley Ry., Burgh Heath, Epsom. [Birmingham.]
1886 Apr. 6.	CHILD, GEORGE CHARLES ..	Kingston Metal Works, Smethwick,
† 1889 May 21.	CHILD, WILLIAM SAMUEL ..	Harbour Engineer, Aden.
1883 May 29.	{ *CHIPPERFIELD, WILLIAM RICHARD HOPKINS .. .. .. .. }	North Street, Atherstone.
1888 May 1.	*CHISHOLM, ROSS .. .. .. ..	Madras Railway, Madras.
1894 Feb. 6.	{ *CHRIST, HARRY GEORGE, B.Sc. (Lond.) .. .. .. .. }	82 Underhill Road, Lordship Lane, S.E.
1881 Dec. 6.	CHRISTIE, HARRY BATHURST ..	P.W.D., Colombo, Ceylon.
1890 Feb. 4.	CHRISTIE, WILLIAM INNES ..	{ Central Ry., Rosario de Santa Fé, Argentina.
1886 Dec. 7.	*CHUBB, HARRY WITHERS ..	43 Glengall Rd., Old Kent Rd., S.E.
1897 Dec. 7.	CHURCH, RICHARD JAMES ..	Uganda Ry., Mombasa, East Africa.
1899 Mar. 7.	{ CHURCHWARD, ERNEST COLE- RIDGE .. .. .. .. }	57 Henderson Row, Edinburgh.
1897 Feb. 2.	CHURCHWARD, GEORGE JACKSON ..	Fairholm, Swindon.
† 1879 Feb. 4.	{ *CHURCHWARD, WILLIAM PAT- RICK .. .. .. .. .. }	Via Carlo Farini 9, Milane.
1893 Dec. 5.	*CHUTE, JOHN HENRY CHALONER	Irrigation Dept., Colombo, Ceylon.
1902 Jan. 14.	*CLAPHAM, WALTER .. .. .. ..	12 Grove Terrace, Highgate Rd., N.W.
1883 Jan. 9.	CLARE, JESSE .. .. .. ..	Sleaford, Lines.
1885 Dec. 1.	CLARK, ALEXANDER .. .. .. ..	11 Blacket Place, Edinburgh.
† 1888 Dec. 4.	*CLARK, EDWARD GEORGE ..	{ Compañia Electricidad del Rio de La Plata, Buenos Aires.
M f † 1902 Feb. 4.	{ *CLARK, EDWARD VINCENT, B.Sc. (Adelaide) .. .. .. .. }	21 Peacock Grove, Gorton, Man- chester.
1899 Dec. 5.	*CLARK, FRANKLIN .. .. .. ..	H.M. Dockyard, Halifax, Nova Scotia.
1897 Jan. 12.	{ CLARK, GEORGE MUIRHEAD, M.A. (Cantab.) .. .. .. .. }	The Treasury, Cape Town, C.C.
1891 Feb. 3.	*CLARK, GILBERT .. .. .. ..	{ Sunnyside, Boness Road, Grange- mouth.
1897 Dec. 7.	{ CLARK, LINDESDAY COLVIN, M.C.E. (Melb.) .. .. .. .. }	{ Prell's Buildings, Collins Street, Melbourne, Victoria.
1894 Dec. 4.	*CLARK, WILLIAM BETHAM ..	Govt. Rys., Rolifunk, Sierra Leone.
1891 May 5.	CLARK, WILLIAM FREDERICK ..	The Poplars, Aldridge, Walsall.
1886 May 18.	CLARKE, CHARLES HARWOOD ..	{ 31 Lawton Street, Newcastle-on- Tyne.
1890 Apr. 1.	*CLARKE, CHARLES STANLEY ..	The Ridgeways, Hazlemere, Sur- rey.
1893 Feb. 7.	*CLARKE, EDMUND .. .. .. ..	{ Fernleigh, Trafalgar Road, Camber- well, Victoria.
1899 Mar. 7.	CLARKE, FREDERICK WILLIAM	Harbour Works, Harrington, Man- ning River, N.S.W.
1901 Dec. 3.	CLARKE, GEORGE EDGAR ..	{ Surveyor's Office, Town Hall, Shef- field.

Date of Election.	ASSOCIATE MEMBERS.
1901 Apr. 23.	CLARKE, HENRY MATTHIAS .. .. ..
1883 Dec. 4.	CLARKE, HENRY WILLIAM .. .. ..
1896 May 19.	CLARKE, HERBERT .. .. ..
1896 Dec. 1.	CLARKE, HERBERT GEORGE .. .. ..
1889 Dec. 3.	*CLARKE, JOHN FOLLIOTT MOSTYN .. .. ..
1899 Apr. 11.	CLARKE, OWEN HENRY .. .. ..
1893 May 16.	{ CLARKE, RICHARD FREDERICK .. .. .. DODD .. .. .. .. ..
1899 Dec. 5.	CLARKE, ROBERT WILLIAM .. .. ..
1890 Dec. 2.	*CLARKSON, THOMAS .. .. ..
1898 Dec. 6.	{ CLARRY, WILLIAM ALFRED .. .. .. HENRY .. .. .. .. ..
1895 Dec. 3.	*CLAYPOOLE, ALBERT HENRY .. .. ..
1865 May 2.	CLAYTON, ALFRED .. .. ..
1893 Jan. 10.	*CLAYTON, FRANK, F.C.H. .. .. ..
1895 Dec. 3.	*CLAYTON, RICHARD HAWORTH .. .. ..
1888 Dec. 4.	*CLEAVER, HENRY LOWTHIAN .. .. ..
1881 Mar. 1.	*CLEGG, CHARLES .. .. ..
1900 Apr. 3.	CLEGG, HARRY .. .. ..
1892 May 3.	CLEGHORN, ALEXANDER .. .. ..
† 1884 Apr. 1.	CLEMES, JOHN HENRY .. .. ..
1879 Mar. 4.	CLEMINSON, JOHN .. .. ..
1872 Dec. 3.	CLEMMEY, WILLIAM HENRY .. .. ..
1874 May 12.	CLIMIE, WILLIAM .. .. ..
1898 Dec. 6.	*CLOTHIER, HENRY WILLIAM .. .. ..
1891 Dec. 1.	CLOUGH, ALFRED .. .. ..
1891 Dec. 1.	{ COAKES, GEORGE SHOREY, .. .. .. B.A. (Cape) .. .. .. .. ..
1889 Dec. 3.	COALES, HERBERT GEORGE .. .. ..
1885 Feb. 3.	COATES, THOMAS .. .. ..
1886 Feb. 2.	COATES, WILLIAM .. .. ..
1890 Dec. 2.	COATH, DAVID DECIMUS .. .. ..
1895 May 21.	{ *COBB, FREDERIC EDWARD .. .. .. THEODORE .. .. .. .. ..
1864 Jan. 12.	COBB, GEORGE HENRY .. .. ..
1893 Dec. 5.	CORBETT, WILBERFORCE .. .. ..
1879 Apr. 1.	COBBOLD, EDGAR STERLING .. .. ..
1892 Dec. 6.	*COCHEMÉ, ALFRED ERNEST .. .. ..
1889 Mar. 5.	*COCHRANE, FRANCIS JAMES .. .. ..
1890 Apr. 1.	COCKBURN, ROBERT .. .. ..
1889 Mar. 5.	COCKBURN, SIDNEY MANTHORP .. .. ..
1898 Jan. 11.	COCKEY, FREDERICK GEORGE .. .. ..
1894 May 1.	COCKRILL, THOMAS .. .. ..
1888 Feb. 7.	*COCKSHOTT, FRANCIS EDWARD .. .. ..
1896 Feb. 4.	{ CODLING, EDWIN, .. .. .. B.Sc. (Durham) .. .. .. .. ..
1891 Feb. 3.	COE, DAVID .. .. .. .. ..
† 1899 Feb. 7.	{ COKER, ERNEST GEORGE, M.A. .. .. .. (Cantab.) D.Sc. (Edin.) .. .. .. .. ..
1900 Apr. 3.	COLE, CHARLES HENRY .. .. ..
	H.M. Dockyard, Malta.

Date of  
Election.

## ASSOCIATE MEMBERS.

†	1886 Apr. 6.	*COLE, CHARLES JOHN .. ..	{ c.o. H. S. King & Co., 65 Cornhill, E.C.
	1901 Apr. 23.	{ COLE, REGINALD SORRE, M.A. ( <i>Cantab.</i> ) .. ..	Thos. Meik and Sons, 29 St. Andrew Square, Edinburgh.
	1876 Mar. 7.	COLE, THOMAS .. .. ..	{ 11 Victoria Street, S.W. (Bisect- ing, London. Westminster 58S.)
	1890 Dec. 2.	*COLE, WILLIAM BATHOLEMEW	85 Pathfield Road, Streatham Com- mon, S.W.
	1895 Mar. 5.	COLEMAN, FREDERICK ALBERT	65 Calabria Road, Highbury, N.
	1893 Feb. 7.	*COLES, FRANCIS GEORGE.. ..	4 Shirley Road, Southsea.
	1886 Dec. 7.	*COLES, WALTER JOSEPH ..	The Gables, Bass Street, Derby.
	1893 Jan. 10.	{ COLLIER, HUGH MORTIMER HERBERT .. .. ..	New Dock Works, Middlesbro'.
	1898 Dec. 6.	{ COLLINGRIDGE, HARVEY, B.Sc. ( <i>Lond.</i> ) .. ..	73 Grove Road, Wanstead, Essex.
	1892 Dec. 6.	*COLLINS, ADRIAN CHARLES ..	61 Old Broad Street, E.C.
†	1891 Dec. 1.	*COLLINS, HENRY FRANCIS ..	{ c.o. J. H. Collins & Sons, Salisbury House, Finsbury Circus, E.C.
	1877 Mar. 6.	COLLINS, HENRY RAMSAY ..	Russell Street, Durban. Natal.
	1895 Dec. 3.	COLLINS, W. HEPWORTH ..	{ E. Whi & Co., 17 Nicholas Street. Manchester. (Collins, c.o. Astra, Manchester.)
	1902 Jan. 14.	*COLLINS, WILLIAM .. ..	Wargrave. Dynas Powis, Cardiff.
	1897 Mar. 2.	*COLLINSON, ARTHUR ..	N. E. Ry. Loco. Dept., York.
	1897 Apr. 6.	*COLLIS, OLIVER JAMES ..	{ Holmhurst, South Road, Brighton, Victoria.
	1891 Mar. 3.	*COLLIS, WILLIAM HENRY ..	{ 7 Ennismore Avenue, Wavertree, Liverpool.
t †	1888 Mar. 6.	*COLQUHOUN, WILLIAM .. ..	6 Grove Road, Wrexham.
	1887 May 24.	{ *COLTON, CHARLES ANDERSON COWARD .. .. ..	Gasworks, Sydney, N.S.W.
	1898 Feb. 1.	{ *COLYER, MORETON JOHN GODDEN, B.E. ( <i>Sydney</i> ) ..	Wood Street, Manly, N.S.W.
	1872 Apr. 9.	COMPTON, EDMUND .. ..	8 St. Anne's Crescent, Lewes.
	1902 Jan. 14.	*CONACHER, JAMES .. ..	{ Formans & McCall, 160 Hope Street, Glasgow.
	1899 Dec. 5.	{ CONCANNON, THOMAS GEORGE UPTON .. .. ..	Municipal Engineer, Prome, Burma.
	1887 Dec. 6.	CONCEIÇÃO, JOSÉ MARIA DA ..	Caixa 321, Rio de Janeiro. [India.
	1890 Mar. 4.	*CONES, JAMES ALFRED ..	L. Ganges Canal, Etawah, N.W.P.,
	1888 May 15.	CONEY, JOHN ROBERT ..	Meadowfield, Sleaford, Lincs.
	1897 Jan. 12.	CONNER, BENJAMIN ..	9 Scott Street, Glasgow.
	1896 Dec. 1.	*CONRADI, JULES FERDINAND ..	Great Central Ry., Leicester.
	1892 Dec. 6.	CONSTANTINE, EZEKIEL GRAYSON ..	17 St. Ann's Square, Manchester.
	1892 May 3.	*CONYERS, SIDNEY WARD ..	Ry. Construction Dept., Sydney, N.S.W.
	1874 Feb. 3.	CONYERS, WILLIAM .. ..	483 Collins St., Melbourne, Victoria.
	1887 Dec. 6.	*COOK, FRANK PLANT .. ..	Mansfield Woodhouse, Notts.
	1893 Jan. 10.	COOK, JOHN .. .. ..	City Engineer, Cape Town, C.C.
	1901 Mar. 5.	{ COOK, STANLEY SMITH, B.A. ( <i>Cantab.</i> ) .. ..	4 York Place, Oxford Street, Man- chester.
	1882 May 23.	COOKE, CHARLES EDWARD ..	City Council Office, Auckland, N.Z.
	1898 Dec. 6.	COOKE, CONRAD ALAN ..	R. M. Ry., Delhi, N.W.P., India.
	1883 May 29.	*COOKE, FREDERICK GEORGE ..	3 Hyde Gardens, Eastbourne.
	1897 Mar. 2.	COOKE, STUART BLASHFIELD REA ..	River Frontage Works, Old Calabar.
	1895 Feb. 5.	COOKSEY, DANIEL FREDERICK ..	Corsley Villa, Western Elms Avenue, Reading. [W.
	1895 Dec. 3.	*COOKSON, ALFRED CHORLEY ..	G. W. Ry., Eng.'s Office, West Ealing,
	1900 Jan. 9.	COOKSON, THOMAS .. ..	Town Hall, Preston.
	1888 Dec. 4.	*COOMBER, WILLIAM HORACE ..	Lancs. and Yorks. Ry., Manchester.
	1891 Dec. 1.	COOPER, ALFRED ERNEST ..	{ Société de Travaux, Chemin de fer Pirée-Demirly, Lamia, Greece.

Date of  
Election.

## ASSOCIATE MEMBERS.

1897 Apr. 6.	COOPER, FRANCIS EDWARD ..	13 Norma Rd., Waterloo, Liverpool.
1894 May 1.	COOPER, LEONARD ..	F.C. Sud., Buenos Aires.
1895 Dec. 3.	{ COOPER, RICHARD EDWARD SYNGE .. .. .. .. ..	L. B. & S. C. Ry., 34 Victoria Road, Battersea, S.W.
1893 Jan. 10.	*COOPER, SAMUEL EDWARD ..	Fownhope, Surbiton.
1896 May 5.	COOPER, THOMAS, M.A. ( <i>Cantab.</i> )	Spring Valley, St. Albans.
1896 Feb. 4.	{ *COOPER, THOMAS BRAMMALL, B.Sc. ( <i>Victoria</i> ) .. .. ..	E. Nuttall, Cumberland Road, Bristol.
1902 Apr. 22.	*COOPER, VERNON .. .. ..	F. C. Interoceanico, Puebla, Mexico.
1886 May 18.	{ COOPER, VIVIAN BOLTON DOUGLAS .. .. .. ..	22 Buckingham Gate, S.W. (Megohm, London.)
1874 Feb. 3.	COOPER, WILLIAM .. .. ..	{ Neptune Engine Works, Hull. (Nep- tune, Hull. 30.)
1892 Mar. 1.	COOPER, WILLIAM .. .. ..	Table Bay Harbour, Cape Colony.
† ✕ 1900 Dec. 4.	{ COOPER, WILLIAM RANSON, M.A., B.Sc. ( <i>Royal</i> ) .. ..	87 Upper Tulse Hill, S.W.
1894 Feb. 6.	*COPE, WILFRED ARTHUR ..	District Council, Bromley, Kent.
1890 Dec. 2.	{ COPELAND, HENRY PAUL RAMSAY, Major N.S.W.M.R.	Civil Service Club, Cape Town, C.C.
1893 Dec. 5.	*COPLAND, JOHN PEARSON ..	15 Holyrood Crescent, Glasgow.
m 1895 Dec. 3.	{ *COPLAND, WILLIAM ROBERTSON, JUN.	146 West Regent Street, Glasgow.
1890 Dec. 2.	COPLAND, WILLIAM WALLACE ..	Sanitary Commission, Gibraltar.
1894 Dec. 4.	COPLEY, CHARLES THOMAS ..	252 Barkerhouse Rd., Nelson, Lancs.
1896 Apr. 14.	*CORBETT, PATRICK JOSEPH ..	{ e.o. H. S. King & Co., 45 Pall Mall, S.W.
1890 Apr. 1.	CORBIN-JAMES, JOHN HENRY ..	Finsbury House, Blomfield St., E.C.
1893 Dec. 5.	*CORIN, WILLIAM .. .. ..	Town Hall, Launceston, Tasmania.
1902 Apr. 8.	{ CORMACK, Professor JOHN DEWAR, B.Sc. ( <i>Glas.</i> ) ..	University College, Gower St., W.C.
1892 Dec. 6.	CORNER, CHARLES .. .. ..	Rhodesia Rys., Salisbury, Mashona- land.
† 1898 Dec. 6.	CORNISH, NICHOLAS EDWARD ..	Imperial Arsenal, Shanghai, China.
1875 Apr. 6.	CORNISH, THOMAS SMERDON ..	Belfield House, East Coast, Demerara.
1901 Feb. 5.	*CORNOCK, JOSEPH CAPEL ..	90 Tempest Road, Beeston Hill, Leeds.
1897 Apr. 6.	{ CORNEWALL-WALKER, ARCHI- BALD EDWARD .. .. ..	East Surrey Water Co., Redhill.
1902 Apr. 8.	CORNINGHAM, GEORGE HENRY ..	2 Norwood Terrace, Headingley,
1887 Apr. 5.	{ COTTERELL, ALBERT PLAYER ISAAC .. .. .. .. ..	28 Baldwin Street, Bristol. [Leeds.]
1866 May 15.	{ COTTERILL, JAMES HENRY, M.A. ( <i>Cantab.</i> ), F.R.S. ..	15 St. Alban's Mansion, Kensington Court Gardens, W.
1877 Feb. 6.	{ COTTRELL, HENRY EDWARD PLANTAGENET .. .. ..	e.o. Mrs. Cottrell, Melville House, Cavendish Road, Clapham Park, S.W.
1902 Mar. 4.	{ *COTRELL, WILLIAM RICHARD THOMAS .. .. .. ..	60 Thornton Avenue, Chiswick, W.
1879 Feb. 4.	COUTER, FREDERICK .. .. ..	New River Office, Clerkenwell, E.C.
1902 Mar. 4.	{ *COUPER, JOHN DUNCAN CAMP- BELL, M.A. ( <i>Cantab.</i> ) .. ..	{ e.o. J. Couper, M.D., 89 Grosvenor Street, W.
1897 Dec. 7.	*COUTTS, ERNEST GRAY ..	King, Hamilton & Co., Calcutta.
1896 May 19.	COVENTRY, HENRY GEORGE ..	Netherwilton, Northumberland.
1897 Mar. 2.	*COVERNTON, RALPH HENRY ..	{ Municipal Electric Light Works, Johannesburg, Transvaal.
■ m ✕ 1887 May 3.	*COWAN, EDWARD WOODROWE ..	West Bank, Disley, Cheshire.
1900 Feb. 6.	{ COWAN, JAMES MARSHALL, B.A. ( <i>Cantab.</i> ) .. .. ..	6 Salisbury Road, Edinburgh.
1890 Feb. 4.	*COWAN, JOHN .. .. .. ..	179 West George Street, Glasgow.
1889 Dec. 3.	COWARD, GEORGE EDWARD ..	{ e.o. Stilwell & Sons, 42 Pall Mall, S.W.
1899 Apr. 11.	COWDERY, GEORGE ROBERT ..	{ Glenoe, Torrington Road, Strath- field, N.S.W. [U.S.]
1900 Dec. 4.	*COWLE, GERALD ARTHUR ..	P.O., Schenectady, New York State,

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## ASSOCIATE MEMBERS.

1874 Jan. 13.	*COWPER, CHARLES EDWARD ..	Redcot, The Marina, Deal.
1896 Dec. 1.	{ *COWPER-COLES, SHERARD OSBORN .. .. .. .. } ..	26 & 27 Grosvenor Mansions, Victoria Street, S.W.
1894 Dec. 4.	COX, ALEXANDER GEORGE ..	c.o. H.B.M. Consul, Tientsin, China.
1897 Apr. 6.	COX, DOUGLAS BRENTON ..	Govt. Rys., Maritzburg, Natal.
1892 Dec. 6.	*COX, FREDERICK NUTTER ..	San José, Costa Rica.
1893 May 2.	COX, FREDERICO WILLIAM ..	{ Uzina Concação de Sinibú, São Miguel dos Campos, Alagoas, Brazil. Kingston, Jamaica.
1876 Dec. 5.	*COX, GRIFFITH NATHANIEL ..	
1883 Jan. 9.	*COX, HORACE BOARDMAN ..	
1881 Mar. 1.	COX, THOMAS ADEY, B.A. ..	14 Hazlitt Road, W. Kensington, W.
1886 Dec. 7.	*CRABTREE, HENRY HERBERT ..	S. Pearson & Son, Mexico.
1895 Dec. 3.	{ *CRABTREE, WALTER ROBINSON, M.Sc. ( <i>Victoria</i> ) .. .. .. } ..	Union Offices, High Street, Don- caster.
1891 Dec. 1.	*CRABTREE, WILLIAM ROBSON ..	Harbour Works, East London, Cape Colony.
1900 Dec. 4.	{ *CRAIG, ALEXANDER DONALD, B.E. ( <i>Sydney</i> ) .. .. .. } ..	Harbours and Rivers Branch, P.W.D., Ballina, New South Wales.
1899 Dec. 5.	{ *CRAIG, ALEXANDER GRATI- TUDE, B.Sc. ( <i>Glas.</i> ) .. .. .. } ..	Waterworks Office, Bournebrook Road, Selly Oak, Birmingham.
1889 Dec. 3.	*CRAIG, CLARENCE .. .. ..	Tyrella House, Clough, co. Down.
1901 Dec. 3.	{ CRAIG, WALTER LENNOX, B.C.E. ( <i>Melb.</i> ) .. .. .. } ..	Netley, Barkly Street, St. Kilda, Melbourne, Victoria.
1896 Apr. 14.	CRAIG, WILLIAM .. .. ..	P. W. D., Cape Town, C.C.
1891 Mar. 3.	CRAVEN, ALBERT WILLIAM ..	179 Collins St., Melbourne, Victoria.
1875 May 4.	CRAVEN, CHARLES ALFRED ..	Gasworks, Savile Town, Dewsbury.
1870 May 3.	{ CRAWFORD, WILLIAM FRED- ERICK, B.A. ( <i>Dubl.</i> ) .. .. .. } ..	Box 3327, Johannesburg, Transvaal.
1894 Mar. 6.	*CRAWFERT, FRANK WHINFIELD ..	Grotesby, Blackheath, S.E.
1884 Feb. 5.	CREER, ALFRED .. .. ..	The Guild Hall, York.
1896 Apr. 14.	CRESSWELL, GEORGE BELBEN ..	H. S. King & Co., 45 Pall Mall, S.W.
1883 May 29.	CRESSWELL, JOSEPH .. .. ..	54 Castle Street, Dover.
1893 May 16.	{ CRESSWELL, FREDERIC HUGH PAGE .. .. .. .. .. } ..	Rand Club, Johannesburg, Trans- vaal.
1884 Dec. 2.	CRICHTON, WILLIAM BATEMAN ..	Vulcan Ironworks, Bradford.
1894 Dec. 4.	*CRIGHTON, CHARLES .. .. ..	S. Indian Ry., Negapatam.
1888 Dec. 4.	CRIPPS, FREDERICK SOUTHWELL ..	71 King William Street, E.C.
1899 Dec. 5.	{ CROASDALE, JOHN ERNEST, B.A.I. ( <i>Dubl.</i> ) .. .. .. } ..	L. & N. W. & G. W. Rys., Engineer's Office, Birkenhead.
1881 Dec. 6.	*CROFT, HENRY .. .. .. ..	Victoria, British Columbia.
1895 May 21.	*CROMPTON, REGINALD HARRATT ..	11 Lowther Street, Whitehaven.
1892 Mar. 1.	*CROOK, JOHN ROWLAND .. ..	Government Engineer, Gibraltar.
1895 Dec. 3.	{ CROOKES, BERNARD HUMPHREY, M.S.C. ( <i>Victoria</i> ) .. .. .. } ..	34 Devonshire Place, Jesmond-on- Tyne.
1879 May 27.	CROSELE, JAMES .. .. ..	New Farm, Gamlingay, Sandy.
1883 Dec. 4.	CROSLAND, BENJAMIN .. .. ..	1 Rudolph Road, Kilburn, N.W.
1902 Apr. 22	{ CROSLAND, JAMES CHARLES, HERBERT .. .. .. .. } ..	Belecombe, Hale, Cheshire.
1887 May 24.	CROSLEY, WILLIAM .. .. ..	Box 400, Bulawayo, Matabeleland.
1891 Dec. 1.	CROSS, ALFRED McCALLUM ..	Kamberg, Rosetta, Natal.
1882 Apr. 4.	*CROSS, AMBROSE WOOTTON ..	{ Glendale, School Road, Moseley, Birmingham. [Walsall. 9.]
1887 Dec. 6.	*CROSS, FREDERICK WILLIAM ..	45 Bradford Street, Walsall. (Iron,
1896 May 5.	CROSS, FREDERICK WILLIAM ..	Gasworks, Leyton, Essex.
† 1888 Feb. 7.	{ CROSTHWAITE, PONSONBY MOORE, B.A.I. ( <i>Dubl.</i> ) .. .. .. } ..	Coode & Matthews, 9 Victoria Street, S.W.
1899 Dec. 5.	*CROUCH, JOHN PEACHEY .. ..	L. & Y. Ry. Works, Horwich, Lancs.
1891 Feb. 3.	{ CROWE, PERCY BARBY GUSTAV OTTO .. .. .. .. } ..	27 Old Queen Street, Westminster, S.W.
1894 Dec. 4.	CROWTHER, JAMES ALFRED ..	Town Hall, Bootle, Lancs.
1892 Jan. 12.	CROZIER, WILLIAM, JUN. ..	Shire Hall, Durham.

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## ASSOCIATE MEMBERS.

1887 Dec. 6.	CRUMMACK, HARKER CHARLES	Boro' Engineer, Hartlepool.
1881 May 31.	CUBITT, WILLIAM .. ..	Rumney House, Cardiff.
1891 Dec. 1.	{ *CUFFE, OTWAY FORTESCUE LUKE WHEELER .. ..	P.W.D., Toungoo, Burma.
† 1895 Feb. 5.	CULLEN, EDWARD ALEXANDER	{ Harbours and Rivers Dept., Bris- bane, Queensland.
1895 Apr. 2.	CULLEN, HERBERT DALE ..	{ Sherwood, Armadale, Western Aus- tralia.
1890 Jan. 14.	CULLIS, EDMUND JOSEPH ..	Southgate Chambers, Gloucester.
1902 Jan. 14.	{ CUMMING, ALEXANDER GEORGE GORDON, B.Sc. ( <i>Edin.</i> ) ..	79 Princes Street, Edinburgh.
1897 Apr. 6.	CUNHA, LUIZ GONÇALVES DA ..	31 Rue du 3 Septembre, Athens.
1895 Dec. 3.	{ CUNNINGHAM, BRYSSON, B.E. ( <i>Royal</i> ) .. ..	6 Neville Road, Waterloo, Liver- pool.
1875 Jan. 17.	CUNNINGHAM, JAMES HENRY ..	2 Ravelston Place, Edinburgh.
1898 Dec. 6.	CUNNOLD, CLEMENT ALLAN ..	{ Farra, Cambridge Road, Cottenham Park, Wimbledon.
1883 Dec. 4.	*CURRY, WILLIAM ELMITT ..	Mulgrave Road, Sutton, Surrey.
1888 Jan. 10.	CURRY, WILLIAM THOMAS ..	Beverley, Stroud Road, Gloucester.
t † 1890 May 6.	{ CURTIS, ALFRED HARPER, B.A. ( <i>Lond.</i> ) .. ..	15 Harley Street, W.
1893 Apr. 11.	CUSHNY, JOHN .. ..	Box 2237, Johannesburg, Transvaal.
1892 Dec. 6.	*CUST, LEOPOLD .. ..	99 Onslow Square, S.W.
1894 May 1.	*CUTBILL, HARRY WALLACE ..	Bogota, U.S. Colombia.
1890 Dec. 2.	CUTHBERT, GEORGE BLYTHE ..	Cambridge, South Africa.
1900 Dec. 4.	CUTLER, ARTHUR EDWARD ..	{ Magie Street, Mosmans, Sydney, N.S.W.
m † 1886 Dec. 7.	*CUTLER, HENRY ALBERT ..	City Engineer, Cork.
1874 May 12.	CUTLER, SAMUEL .. ..	Providence Ironworks, Millwall, E.
1896 Dec. 1.	CUTTEN, FREDERICK ALFRED	Cuttent Brothers, Dunedin, N.Z.
1889 Dec. 3.	DADABHOY, CURSETJEE .. ..	Cumballa Hill, Bombay.
1888 May 1.	DADABHOY, RATANSHAW .. ..	Bombay Ironworks, Bombay.
1891 Mar. 3.	DADLEY, BENJAMIN BAINES ..	47 Victoria Street, S.W.
† 1882 May 2.	DALES, JOHN HANDSLEY .. ..	{ Baithwaite & Co., 325 Finsbury Pavement House, E.C.
† 1898 Dec. 6.	{ *DALGLEISH, GEOFFREY SCOTT, B.Sc. ( <i>Edin.</i> ) .. ..	c/o National Bank of Egypt, Cairo.
1881 May 31.	DALLAS, JOHN EDWIN .. ..	e/o H.S. King & Co., 45 Pall Mall, S.W.
1895 Feb. 5.	{ *DANA, ROBERT WASHINGTON, M.A. ( <i>Cantab.</i> ) .. ..	15 Neville Street, Onslow Gardens, S.W.
1883 Jan. 9.	{ *DANFORD, GEORGE JAMES ATCHISON .. ..	Mocambique Co., Beira, East Africa.
1898 Dec. 6.	*DANIEL, ARTHUR HENRY .. ..	1 Chapel Street, Cheadle.
1874 Apr. 14.	DARBISHIRE, CHARLES HENRY	Plas Mawr, Penmaenmawr.
1892 Dec. 6.	{ *DARE, HENRY HARVEY, M.E. ( <i>Sydney</i> ) .. ..	Roads and Bridges Dept., Sydney, N.S.W.
1883 Dec. 4.	{ DARLINGTON, FREDERICK ARTHUR .. ..	17 Dulwich Road, Herne Hill, S.E.
1877 Feb. 6.	DARWIN, HORACE, M.A. ( <i>Cantab.</i> )	Huntingdon Road, Cambridge.
1873 Mar. 4.	DARWIN, SAMUEL BROTHERS ..	Convamore, Midhurst.
1902 Feb. 4.	*DAS, RONESCHANDRA .. ..	Panchanuntolah, Howrah, Bengal.
1890 Apr. 1.	*DAVENPORT, CHARLES EDWARD	Inglowood Park Road, Nantwich.
1900 Mar. 6.	DAVENPORT, GEORGE ROBERT	Casilla del Correo 796, Buenos Aires.
1892 Dec. 6.	*DAVEY, GEORGE REGINALD ..	13 Hill Park Crescent, Plymouth.
1882 Dec. 5.	DAVIDSON, JOHN GEORGE ..	Caledonian Canal, Inverness.
1882 May 2.	DAVIDSON, JOHN PATON .. ..	The Cedars, Wells Road, Bath.
1900 Jan. 9.	{ *DAVIDSON, JONATHAN ROBERTS, M.Sc. ( <i>Victoria</i> ) .. ..	Liverpool Waterworks Reservoir, Prescot.
1891 Mar. 3.	DAVIES, DAVID .. ..	Cowell House, Llanelly.
1895 Jan. 8.	DAVIES, JOHN HUBERT .. ..	Box 1336, Johannesburg, Transvaal.

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## ASSOCIATE MEMBERS.

1897	Apr. 6.	DAVIES, JOHN HUGH .. ..	Cymry, Mooropna, Victoria.
1876	May 2.	DAVIES, JOHN JOSEPH .. ..	{ Richmond, Brisbane Street, Perth, W. Australia.
1888	Dec. 4.	DAVIES, MORGAN WILLIAMS ..	3 Gloucester Place, Swansea.
1876	Apr. 4.	DAVIES, THOMAS WILBERFORCE ..	41 Park Place, Cardiff.
1888	Dec. 4.	DAVIES, WILLIAM AUGUSTUS ..	{ Town Hall Chambers, High Street, Hounslow, W.
1896	Dec. 1.	DAVIES, WILLIAM PHILIP ..	Westfield, Abergavenny.
1882	May 2.	*DAVIS, ALFRED THOMAS ..	County Surveyor, Shrewsbury.
1893	Dec. 5.	DAVIS, ARTHUR CHAMIER ..	P.W.D., Hyderabad, Deccan, India.
1897	Apr. 6.	{ *DAVIS, CLEMENT FREDERICK, B.A. (Cantab.) .. ..	{ Osmington, Priestlands Road, Sidecup.
1899	Dec. 5.	{ *DAVIS, FREDERICK WILLIAM, DANIEL, M.Sc. ( <i>Victoria</i> ) .. ..	Admiralty Harbour Works, Dover.
1875	Jan. 12.	DAVIS, HARRY LOUIS .. ..	{ G.E. Ry., Eng's Office, Liverpool Street, E.C.
1891	Jan. 13.	*DAVIS, NEVILLE BROOKES ..	Waterworks Office, Leicester.
1901	Dec. 3.	DAVIS, WILLIAM HARRY .. ..	{ London and South Western Bank, Forest Gate, E.
1891	Feb. 3.	*DAVISON, AUGUSTINE CAMPBELL ..	{ 7 Richmond Road, Handsworth, Birmingham.
1887	Apr. 5.	{ DAVISON, THOMAS VINCENT, HERBERT .. .. ..	{ The Gables, Westbury Road, New Malden, Surrey.
1891	Dec. 1.	*DAVY, JOHN .. .. ..	c.o. Rio City Improvements, 116 Gresham House, Old Broad Street, E.C.
1896	Feb. 4.	{ DAWBARN, GILBERT JOSEPH, B.Sc. ( <i>Glas.</i> ) .. .. ..	School of Mines, Ballarat, Victoria.
1901	Mar. 5.	{ *DAWE, JOHN NANSCAWEN, B.Sc. ( <i>Glas.</i> ) .. .. ..	Truro and Newquay Railway, Perranporth, Cornwall.
1899	Feb. 7.	*DAWE, PHILIP HENRY .. ..	29 Great George Street, S.W.
1871	Apr. 4.	DAWNAY, ARCHIBALD DAVIS ..	{ London Bridge House, King William Street, E.C. (Dawnay, London.)
1894	May 1.	*DAWNEY, ALBERT EDWARD ..	125 Bethune Rd., Stamford Hill, N.
1893	Dec. 5.	*DAWSON, FREDERIC JOHN ..	{ Imperial Military Railways, Pre- toria, Transvaal.
1875	Dec. 7.	DAWSON, JAMES HENRY .. ..	{ The Grange, Tilford, Farnham, Surrey.
1895	Feb. 5.	*DAWSON, JOHN SMITH .. ..	11 Windsor Avenue, Blackpool.
1894	May 1.	DAWSON, PHILIP .. .. ..	29 Great George Street, S.W.
W M ♫	1879 Dec. 2.	{ *DAWSON, WILLIAM BELL, M.A., D.Sc. ( <i>McGill</i> ) .. ..	Marine Dept., Ottawa, Canada.
	1894 Feb. 6.	DAWSON, WILLIAM SAMUEL ..	{ Pumping Station, Spottiswoode, Victoria.
	1899 Dec. 5.	{ *DAY, CLAUD ALBERT STAIN- TON .. .. .. ..	Grosvenor House, Isleworth, W.
	1891 May 5.	DEAKIN, THOMAS HEDGES ..	Parkend, Lydney, Glos.
	1891 Jan. 13.	*DEANS, HAROLD, B.A. ( <i>Cantab.</i> ) ..	{ Engineer's Office, G. W. Ry., Pad- dington, W.
	1895 Jan. 8.	DEARDEN, HENRY .. .. ..	Boro' Engineer, Dewsbury.
	1900 Jan. 9.	DEAS, JAMES .. .. ..	Water Engineer's Office, Warrington.
	1881 May 3.	DEASE, PATRICK PAGET .. ..	Les Sapins, Dinan, France.
	1882 Dec. 5.	D'E BRO, CHARLES ABRAHAM ..	99 Queen St., Melbourne, Victoria.
	1897 Dec. 7.	{ *DELAP, ALFRED DOVER, B.A.I., ( <i>Dubl.</i> ) .. .. .. ..	Resident Engineer's Office, Rosslare, co. Wexford.
m	1890 Apr. 1.	{ DELVES-BROUGHTON, VERNON, WARBURTON .. .. ..	40 Boulevard Amélie, Athens.
	1885 Dec. 1.	DE MELLO, CHARLES HARVEY ..	King, Hamilton & Co., Calcutta.
♫	1898 Mar. 1.	DEMPSSTER, HERBERT GEORGE ..	Seaford, Richmond, Natal.
	1895 May 21.	DENHAM, HENRY MANGLES ..	Ashbourne House, Rainhill, Lancs.
	1886 Dec. 7.	*DENISON, ALBERT .. .. ..	Victoria, Hong Kong. [W.
	1886 Dec. 7.	*DENISON, GEORGE CHARLES ..	2 Strathmore Gardens, Kensington,

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1887 Dec. 6.	DENISON, JOSEPH BASIL .. ..
1881 May 31.	DENNIS, HENRY .. ..
1893 Dec. 5.	DENNIS, NELSON FREDERICK ..
1881 Apr. 5.	*DENT, HASTINGS CHARLES ..
1886 Dec. 7.	DENTON, HENRY RICHARD JOHN
1885 Dec. 1.	DETSI, MIGUEL .. ..
1894 May 1.	{ *DEVENISH - MEARES, BASIL, B.A.I. ( <i>Dubl.</i> ) .. ..
1889 Feb. 5.	{ *DEVÉRIA, LEWIS MARIE THEODOULE .. ..
m 1897 Jan. 12.	*DE VILLE, MARTIN .. ..
1883 May 1.	*DEVONSHIRE, THOMAS EASTON
1899 Dec. 5.	{ DHIRAJRAM, HIMATLAL ( <i>Rao</i> <i>Bahadur</i> ) .. ..
1891 Dec. 1.	{ DHUNJIBHOY, RUTTONJI, <i>Khan</i> <i>Sahib</i> .. ..
1894 Dec. 4.	DIAZ-LOMBARDO, ISIDRO ..
1888 Apr. 10.	DIBLEY, GEORGE .. ..
1895 Dec. 3.	DICK, DAVID CRAWFORD ..
1886 Dec. 7.	*DICKIE, ALEXANDER LOW ..
† 1889 May 7.	DICKINSON, ALFRED .. ..
1899 Dec. 5.	DIOKINSON, HAROLD .. ..
1888 Dec. 4.	DICKINSON, THOMAS RUSHOLM
1879 Dec. 2.	*DICKSON, JOHN .. ..
1888 Dec. 4.	DIESELHORST, WILLIAM ..
1881 Dec. 6.	DIGGLE, JAMES .. ..
1900 Jan. 9.	{ *DILLEY, WILFRID JOSEPH, B.Sc. ( <i>Edin.</i> ) .. ..
1885 Feb. 3.	*DISNEY, GEORGE WILLIAM ..
1893 Dec. 5.	*DIX, HARRY ARTHUR ..
1902 Mar. 4.	*DIXON, ARTHUR .. ..
1893 Jan. 10.	DIXON, FRANCIS EDWARD ..
1892 Dec. 6.	*DIXON, FREDERIC BRERETON ..
1897 Apr. 6.	DIXON, FREDERIC JOHN .. ..
1897 Mar. 2.	DIXON, JAMES RUSH .. ..
1892 Dec. 6.	*DIXON, ROBERT BLAND, R.N.
1896 Dec. 1.	DIXON, RODEN .. ..
1892 Dec. 6.	{ *DIXON, STEPHEN MITCHEL, M.A., B.A.I. ( <i>Dubl.</i> ) .. ..
t † 1900 Dec. 4.	{ *DOAK, WALTER JAMES, B.E. ( <i>Sydney</i> ) .. ..
1897 Feb. 2.	{ *DOBSON, ARTHUR AUSTIN GREAVES .. ..
1897 Feb. 2.	DOBSON, DOUGLAS .. ..
1883 Feb. 6.	*DOCKRAY, JOHN ARTHUR ..
1901 Dec. 3.	*DODD, EDWARD .. ..
1891 Jan. 13.	*DODD, FRANK WILLIAM .. ..
1890 Dec. 2.	DODD, PETER .. ..
1894 Jan. 9.	*DOIS, JOSHUA CHALMERS ..
1894 Mar. 6.	{ *DONALD, PATRICK DUNLOP, B.Sc. ( <i>Glas.</i> ) .. ..
t † 1898 Mar. 1.	{ *DONALDSON, THORNYCROFT, M.A. ( <i>Cantab.</i> ) .. ..
1898 Apr. 5.	*DONKIN, SYDNEY BRYAN ..
	Bembridge, Isle of Wight.
	Ruabon, N.Wales. (Dennis, Ruabon.)
	Urban District Council, Aldershot.
	{ The Homestead, South Godstone, Surrey.
	TorLodge, Compton, Wolverhampton.
	{ Rua do Imperador 8, Petropolis, Rio de Janeiro.
	Newry, Ireland.
	Tirhut State Ry., Mozufferpur, India.
	Ridgemount, Robinhood Lane, Sutton, Surrey.
	Purbright, Chislehurst.
	Ahmedabad, Bombay.
	31 1st Marine Street, Dhobi Talao, Bombay.
	Calle de Cocheras 11, Mexico.
	Gaveston Place, Nuthurst, Sussex.
	{ Engineering Department, Custom House, Shanghai.
	21 Delahay Street, S.W.
	Telephone Buildings, Newhall St., Birmingham. (Traction, Bir- mingham.)
	25 Ella Street, Lceds.
	Burton House, Clifton, York.
	Glaisdale Grange, Whitby.
	182 Victoria Road, Charlton.
	Boro' Engincer, Heywood.
	8 Granby Road, Edinburgh.
	B. & N. W. Ry., Muzafferpur, India.
	Reservoir Works, Cray, Breconshire.
	101 Aireville Road, Bradford, Yorks.
	49 Luno Street, Preston.
	{ c.o. W. Dixon, 50 Friends Road, Croydon.
	Prospect Crescent, Harrogate.
	Town Hall, Old Street, E.C.
	H.M. Dockyard, Portsmouth.
	Boro' Surveyor, Stratford-on-Avon.
	Dalhousie College, Halifax, Nova Scotia.
	Mareeba, via Cairns, Queensland.
	{ c.o. H. A. Dobson, 75 Eaton Rise, Ealing, W.
	Boro' Engineer, Masterton, N.Z.
	Chelston Bank, Torquay.
	37 Waterloo Street, Birmingham.
	{ Portland Harbour Torpedo Works, Weymouth.
	Surveyor's Office, Wandsworth, S.W.
	P.W.D., South Canara, India.
	State Rys., Taiping, Perak, S.S.
	2 Melbury Road, Kensington, W.
	Dr. Kennedy, 17 Victoria St., S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1889 Dec. 3.	{ DONOHUE, WILLIAM EDWARD, Major, Army Ord. Dept. .. }	Army Ordnance Dept., Gibraltar.
1902 Jan. 14.	{ DORMAN, WILLIAM STEWART, HOBART, B.E. (Royal) .. .. }	P.W.D., Palampur, Punjab, India.
1902 Feb. 4.	*DORMOR, HENRY DUNCAN .. ..	H.M. Dockyard, Devonport.
1880 May 25.	*DORNING, HERBERT .. ..	41 John Dalton St., Manchester.
1883 Dec. 4.	*DOUGAL, ROBERT .. ..	33 Great George Street, S.W.
1887 Apr. 5.	DOUGALL, ANDREW, Jun. .. ..	Gasworks, Tunbridge Wells. [S.W.]
1894 May 1.	*DOUGLAS, ALEXANDER SHARP, Jun.	McIlwraith & Co., 7 Victoria Street,
1894 Jan. 9.	*DOUGLAS, GORDON .. ..	Minas de Rio Tinto, Huelva, Spain.
1885 May 5.	DOUGLAS, JOHN .. ..	31 Priory Road, Bedford Park, W.
1894 May 1.	*DOUGLASS, ALFRED EDWARDS	Waterworks, Paradise Street, Birmingham.
1895 Feb. 5.	DOUGLASS, JAMES ROBERTSON	7 Osborne Place, Dundee.
1895 Feb. 5.	DOUGLASS, WILLIAM LISTON ..	{ 3 Clydesdale Street, Hamilton, N.B.
1891 May 5.	DOVE, JOHN CHARLES .. ..	St. Nicholas Ironworks, Carlisle.
† 1888 Feb. 7.	{ DOWDALL, WILLIAM MAC- DONNELL MITCHELL .. .. }	Shanghai, China.
1897 Jan. 12.	DOWN, FREDERICK JONATHAN	{ Glenigariff, Milton Road, Harpenden, Herts.
1898 Mar. 1.	DOWNES, JAMES RATHBONE ..	East Surrey Water Co., Redhill.
t † 1887 Feb. 1.	{ *DOWNES, ROBERT HENRY, BURNSIDE .. .. .. .. }	{ Goldfields Water Supply, Perth, Western Australia.
1901 Apr. 23.	{ *DOWNIE, ANDREW MARSHALL, B.Sc. (Glas.) .. .. .. .. }	51 Cecil Street, Hillhead, Glasgow.
1889 Mar. 5.	{ DOWNING, ARTHUR JOSEPH, B.A.I. (Dubl.) .. .. .. .. }	94 Lower Baggot Street, Dublin.
1858 Feb. 2.	DOWNING, ROBERT .. .. .. ..	10 Park Crescent, Oxford.
1902 Apr. 8.	*DOWSON, ERNEST MCLEOD ..	Survey Dept., P.W.D., Cairo.
1897 Feb. 2.	*DOXAT, LOUIS CHARLES JOHN	Irrigation Dept., Colombo, Ceylon.
1893 Jan. 10.	{ DOYLE, KINSLEY DRYDEN, M.A., B.A.I. (Dubl.) .. .. .. .. }	R.E. Office, 1 Perry Street, Limerick.
1895 Feb. 5.	DRAKE, FRANCIS BRAGG	{ Municipal Engineer, Mowbray, Cape Town, C.C.
1870 Dec. 6.	DRESSER, FREDERICK .. ..	{ 23 Edmund Street, Liverpool. (Dresser, Liverpool. 205.)
1900 Dec. 4.	DREWITT, HARRY WILLIAM ..	{ John Scott, Dock Extension, Middles- brough.
1898 Dec. 6.	{ *DRIEBERG, JAMES ALFRED, GRENIER .. .. .. .. }	P.W.D., Puttalam, Ceylon.
1891 Dec. 1.	DRIFFIELD, EDWARD CARUS ..	{ Mining & Ry. Co., Mount Lyell, Tasmania.
1901 Apr. 2.	DRON, ROBERT WILSON .. ..	79 West Regent Street, Glasgow.
1902 Apr. 8.	{ DROUGHT, FREDERICK AINSLIE, B.E. (Royal) .. .. .. .. }	65 Bedford Place, Southampton.
1895 Dec. 3.	*DRUCE, ERNEST HARRY, .. ..	{ c/o H. Drue, The Beeches, Circus Road, St. John's Wood, N.W.
1893 Dec. 5.	*DRUMMOND, HAWTREY MARKS	{ Cia de Cobres, Calama, Antofagasta, Chili.
1887 Mar. 1.	*DRURY, ALEXANDER GRAHAM	{ Leslie & Reid, 72A George Street, Edinburgh. [Surrey.]
1892 Dec. 6.	*DRURY, RICHARD FREDERICK	Prince of Wales Road, Carshalton.
1891 Mar. 3.	*DRYLAND, ALFRED .. .. ..	County Surveyor's Office, Hereford.
1888 Mar. 6.	DUARTE, JOÃO RAYMUNDO .. ..	General Pedra 95, Rio de Janeiro.
1890 Dec. 2.	DUCKHAM, HEBER .. .. ..	British Grove, Chiswick, W.
1889 Dec. 3.	*DUFF, EDWARD JAMES .. ..	Holly Lodge, Cressington Park, Liverpool.
1899 Dec. 5.	DUFF, MATTHEW BUCHANAN ..	Cherry Cottage, Staines.
1889 Feb. 5.	DUFFY, RICHARD .. .. ..	Calle Juneal 2237, Buenos Aires.
1882 Feb. 7.	DUGUID, HARRY GREENFIELD	18 Stanley Place, Pimlico, S.W.
1898 Dec. 6.	*DUKE, AUDLEY MERVYN ..	77 Lansdowne Road, Charlton, S.E.

Date of Election.	ASSOCIATE MEMBERS.
1890 Dec. 2. DUNCAN, ALFRED JOHN .. ..	Box 14, Bendigo, Victoria.
1891 Jan. 13. *DUNCAN, ANDREW .. ..	{ W. Scott & Co., Colliery, Castle Eden.
1897 Jan. 12. *DUNCAN, HERBERT ELLIS .. ..	Cutten Brothers, Dunedin, N.Z.
1896 Dec. 1. DUNCAN, NORMAN .. ..	Municipal Office, Rangoon, Burma.
1884 May 27. DUNCANSON, THOMAS .. ..	Municipal Office, Liverpool.
1888 Mar. 6. DUNELL, CYRIL .. ..	Haroldstein, Witcombe, Gloucester.
1896 Feb. 4. { DUNKERLEY, Professor STANLEY,) M.Sc. ( <i>Victoria</i> ) .. ..	Royal Naval College, Greenwich, S.E.
1876 Jan. 11. *DUNN, EDWARD ALEXANDER .. ..	6 Delahay St., Westminster, S.W.
1890 May 20. DUNN, GEORGE BICKHAM .. ..	34 Argyll Mansions, Kensington, W.
† 1885 Jan. 13. DUNN, PETER LIVINGSTON .. ..	{ 815 Battery Street, San Francisco, U.S. (Clutha, San Francisco.)
1883 Mar. 6. DUNPHY, AUGUSTINE LOUIS .. ..	Deneside, Foyle Rd., Blackheath, S.E.
1879 Feb. 4. *DUNSTON, ROBERT EDWARD .. ..	Saratoga Traction Co., Saratoga Springs, N.Y., U.S.
1891 May 5. *DUPRÉ, EDWARD DOWNES .. ..	Lyndale, Wimborne Road, Southend.
1887 Dec. 6. DUQUEMIN, JAMES HENRY .. ..	Couture Road, Guernsey.
1899 Dec. 5. *DURHAM, FRANK ROGERS .. ..	Bad Toelz, Bavaria.
1900 Dec. 4. *DURIE, GEORGE ARTHUR .. ..	P.W.D., Rangoon, Burma.
1894 Mar. 6. DURLACHER, ALEXANDER PERCY .. ..	{ 3 Otterburn Villas, North Jesmond-on-Tyne.
m † 1893 Dec. 5. { *DURLEY, RICHARD JOHN, B.Sc. ( <i>Lond.</i> ) .. ..	McGill University, Montreal, Canada.
1899 Dec. 5. DURNFORD, HERBERT ST. JOHN .. ..	Ackton Hall Colliery, Featherstone, Pontefract.
1884 May 27. DUTTON, SAMUEL TELFORD .. ..	Marl Bank, Worcester.
1893 Jan. 10. DUXBURY, THOMAS .. ..	{ 17 Grosvenor Chambers, Deansgate, Manchester. (Darwinian, Manchester. 1806.)
1887 Dec. 6. { DWYER, FREDERICK LAW, B.A. ( <i>Dubl.</i> ) .. ..	Govt. Rys., Cape Town, Cape Colony.
1895 Jan. 8. *DYKES, ALFRED HERBERT .. ..	1 Victoria Street, S.W.
† 1891 Feb. 3. *DYMOND, EDMUND ROBERT .. ..	Maesydderwen, Hirwain, Aberdare.
1890 Feb. 4. *DYSON, ROBERT CHARLES, F.C.H. .. ..	Grindlay, Groom & Co., Bombay.
1891 May 5. EARL, HENRY DOUGLAS .. ..	L. & N. W. Ry., Crewe.
1887 Dec. 6. *EARLY, SYDNEY CHARLES .. ..	Continental Ice Co., Boulogne-s/Mer.
1880 Apr. 6. EARNSHAW, JOHN THOMAS .. ..	Boro' Surveyor, Ashton-under-Lyne.
1883 May 29. EAST, ROWLAND HARRY .. ..	F. C. Puira, Paita, Peru.
1867 Dec. 3. EASTMAN, THOMAS .. ..	Valparaiso, Chili.
1891 Mar. 3. *EASTON, JAMES RAMMELL .. ..	42 Gordon Road, Ealing, W.
1867 Dec. 3. EASTON, JOHN MARSHALL .. ..	Tordarroch, Helensburgh, N.B.
1896 Dec. 1. { *EASTON, WILLIAM CECIL, B.Sc. ( <i>Glas.</i> ) .. ..	Main Drainage Works, Balshagray Avenue, Partick, Glasgow.
1885 Dec. 1. EATON-SHORE, GEORGE .. ..	Borough Surveyor, Crewe.
1878 Feb. 5. ECKSTEIN, WILLIAM .. ..	187 Union Street, Borough, S.E.
1883 Dec. 4. *EDE, FRANCIS JOSEPH .. ..	Silchar, Cachar, India.
1899 Feb. 7. *EDE, HAINES BREEBAART .. ..	Whitehall Club, Parliament St., S.W.
1899 Apr. 11. EDEN, EDGAR MARK .. ..	76 Adelaide Road, N.W.
1885 May 19. EDEN, JOSEPH .. ..	58 Pow Street, Workington.
1898 Dec. 6. { *EDGCUMBE, KENELM WILLIAM, EDWARD .. ..	33 Tedworth Square, Chelsea, S.W.
1889 May 7. *EDGE, FREDERIC JAMES .. ..	City Engineer, Newcastle-on-Tyne.
1895 Dec. 3. EDGEELL, ROBERT GORDON .. ..	P.W. Office, East Maitland, N.S.W.
m † 1883 May 29. *EDINGER, WILLIAM HENRY .. ..	Commercial Wharf, Mile End Road, E.
1901 Jan. 8. EDMONDSON, ALFRED RICHARD .. ..	The Oaks, Moss Lane, Timperley.
1895 Feb. 5. *EDMONDSON, JOHN ALFRED .. ..	Kirkstall Road, Leeds.

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## ASSOCIATE MEMBERS.

1896 Jan. 14.	EDWARDES, CHARLES ARTHUR	{ Ry. Construction Branch, P.W.D., Sydney, N.S.W.
1883 Feb. 6.	EDWARDS, ANGELO EMANUEL	19 Clifford St., Paisley Rd., Glasgow.
1900 Dec. 4.	{ EDWARDS, CHARLES WALTER, B.A.I. ( <i>Dubl.</i> ) .. .. ..	Dick, Kerr and Co., 38 Brook Street, Wrexham.
1902 Mar. 4.	EDWARDS, EDGAR JAMES ..	{ London County Council, Spring Gardens, S.W.
1875 Dec. 7.	*EDWARDS, GEORGE SELWYN ..	
1896 May 19.	EDWARDS, HENRY CLAUDE JOHN	Vestry Hall, Kennington Rd., S.E.
1895 May 21.	EDWARDS, HERBERT FRANCIS ..	104 Stanwell Road, Penarth, Cardiff.
1886 Dec. 7.	{ *EDWARDS, OSBORNE ANTHONY, GEORGE .. .. ..	Somerset and Dorset Joint Ry., Glastonbury.
† 1887 Dec. 6.	*EDWARDS, WALTER CLEEVE ..	P.W.D., Cape Town, C.C.
1890 Jan. 14.	{ *EDWARDS, WILLIAM BEN, B.E. ( <i>Royal</i> ) .. .. ..	8 Gloucester Terrace, Newcastle-on- Tyne.
1897 Mar. 2.	*EDWARDS, WILLIAM JAMES ..	{ Taff Vale Ry., Engineer's Office, Cardiff.
1890 Mar. 4.	{ *EGERTON, CLAUDE FRANCIS, ARTHUR .. .. ..	Bengal-Nagpur Railway, Rajghat, Jellasore, Orissa, Bengal.
1881 May 31.	*EGERTON, ROBERT WALTER ..	P.W.D., Chepauk, Madras.
1889 Apr. 2.	EKIN, TOM CHARLES ..	21 Old Queen St., Westminster, S.W.
1900 Jan. 9.	*ELCE, WILLIAM HENRY ..	Town Hall, Failsworth, Manchester.
1880 Dec. 7.	ELDRIDGE, JAMES ..	Gasworks, Oxford.
1885 Dec. 1.	*ELLIOTT, GILBERT FRANCIS ..	Marine Dept., Brisbane, Queensland.
1881 Mar. 1.	ELLERY, CHARLES STAFFORD ..	GasL.&C.C., Up. Bristol Rd., Bath.
1886 Dec. 7.	*ELLIOT, GODFREY TURNBULL ..	165 Great Dover Street, S.E.
1901 Mar. 5.	ELLIOT, JAMES DUNCAN ..	John Carruthers, 13 Victoria St., S.W.
1890 May 20.	ELLIOT, MICHAEL .. ..	{ Gunbower West Irrigation Trust Molesworth Chambers, Little Collins St. W., Melbourne, Victoria
1894 Feb. 6.	*ELLIOTT, HARRY HORNE ..	Kalabas Kraal, near Malmesbury Cape Colony.
1901 Dec. 3.	ELLIOTT, JOHN ROBERT ..	{ Burton Buildings, Parliament St. Nottingham.
1896 Dec. 1.	*ELLIS, BERTRAM WYBURNE ..	7 Roland Gardens, Kensington, S.W.
1896 Dec. 1.	*ELLIS, SOMERS HOWE ..	c.o. Grindlay & Co., Parliament Street,
1888 May 1.	ELLIS, WILLIAM HENRY ..	Atlas Works, Sheffield. [S.W.
1901 Dec. 3.	ELLSON, GEORGE .. ..	{ 3 Croft Villas, Green Lane, New Eltham.
1886 Apr. 6.	ELMORE, JOHN OLIVER SURTEES ..	State Eng., Kapurthala, Punjab.
1891 May 5.	ELMS, FRANCIS .. ..	G.W.Ry., Eng.'s Office, Plymouth.
1884 May 27.	ELSTON, JOHN .. .. ..	{ c.o. Watson & Co., 7 Waterloo Place, S.W.
1884 Jan. 8.	ELSWORTHY, EDWARD HOUTSON ..	Richardson & Cruddas, Bombay.
1881 Mar. 1.	ELTON, CHARLES TIERNEY ..	G.I.P. Railway, Bombay.
1871 Dec. 5.	EMANUEL, BARROW, M.A. ( <i>Dubl.</i> ) ..	2 Finsbury Circus, E.C.
1902 Apr. 8.	EMERSON, JOHN WILLIAM SLOAN ..	21 The Grove, Bultons, S.W.
1893 Feb. 7.	EMMETT, WALTER .. .. ..	1 South Parade, Halifax.
1896 Mar. 3.	*EMTAGE, RAYMOND HOWARD ..	14 James St., Bridgetown, Barbados.
1887 Apr. 5.	*ENFIELD, Viscount .. .. ..	Dancer's Hill, Barnet.
1892 Jan. 12.	*ENGLISH, BERTRAM WILLIAM ..	{ 45 Overstrand Mansions, Battersea Park, S.W.
1889 Feb. 5.	*ENGLISH, FREDERICK HENRY ..	{ 7 Alfred Place West, S. Kensington, S.W.
1892 Dec. 6.	*ENNIS, THOMAS FREDERICK ..	Gasworks, Windsor St., Birmingham.
1881 Feb. 1.	ENNOR, CHARLES JOHN ..	Quinta Pimenta, Foz, Oporto.
1900 Jan. 9.	*ERAUT, WALTER .. .. ..	10 St. Mary's Road, Peckham, S.E.
1896 Jan. 14.	*ERICHSSEN, FREDERIK OLE ..	{ Woodlands, Elmbourne Road, Upper Tooting, S.W.
1900 Feb. 6.	ESSEX, ERNEST HENRY ..	Engr.'s Office, Town Hall, Leyton, E.
1892 Dec. 6.	*ESTCOURT, ARTHUR JOHN ..	{ London Road Ironworks, Harlesden, Norfolk.

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## ASSOCIATE MEMBERS.

1896 Dec. 1.	{ *ESTLER, PAUL TRAUGOTT JULIUS .. . . . . }	Fairfield House, Old Charlton, S.E.
1851 Apr. 1.	ETTY, THOMAS BODLEY .. . . . .	Belmont Road, Scarborough.
1871 Feb. 7.	EUNSON, JOHN .. . . . .	Gasworks, Northampton.
1898 Apr. 5.	EUSTICE, JOHN .. . . . .	Hartley College, Southampton.
1881 Mar. 1.	EVANS, ARTHUR CLEMENT .. . . . .	45 Gildredge Road, Eastbourne.
1879 Feb. 4.	EVANS, ARTHUR GEORGE .. . . . .	Kington Langley, Chippenham.
1887 Dec. 6.	*EVANS, EDGAR IVOR .. . . . .	District Council, Penarth, Cardiff.
1892 Mar. 1.	EVANS, EVAN .. . . . .	County Surveyor, Carnarvon.
1892 Mar. 1.	EVANS, WILLIAM .. . . . .	New Walk, Beverley, Yorks.
1897 Jan. 12.	*EVERARD, FRANCIS OVER .. . . . .	{ Belliss & Morcom, Ledsam Street, Birmingham.
1886 Feb. 2.	EVERETT, JOHN EDWARD .. . . . .	Gyles Quay, Waterford.
† 1899 Feb. 7.	{ EVES, GRAVES WILLIAM, B.A.I. ( <i>Dubl.</i> ) .. . . . . }	37 Pembroke Square, Kensiugton, W.
1882 Dec. 5.	EWENS, PAUL .. . . . .	5 Austin Friars, E.C.
1900 Dec. 4.	*FABER, EDWARD GREY .. . . . .	{ Engineer's Office, London County Council, Spring Gardens, S.W.
1897 Jan. 12.	FAIRBAIRN, ADAM MAITLAND .. . . . .	{ G. H. Hill, Albert Chambers, Albert Square, Manchester.
1893 Dec. 5.	FAIRBAIRN, EDWARD PERCY .. . . . .	Ystrad House, Knighton, Rads.
1883 May 1.	*FAIRBANK, FRANK GRAHAM .. . . . .	17A Lendal, York.
1893 Jan. 10	{ *FAIRGRIEVE, EDGAR HUNTER, B.Sc. ( <i>Edin.</i> ) .. . . . . }	{ 40 Marchmont Crescent, Edin- burgh.
1891 Feb. 3.	*FAIRHOLME, FREDERICK CHARLES .. . . . .	Chas. Cammell & Co., Sheffield.
† 1886 Apr. 6.	*FARLEY, WILLIAM .. . . . .	69 Victoria Street, S.W.
1891 Dec. 1.	FARQUHARSON, ROBERT NESHAM .. . . . .	Assam Tea Co., Nazira P.O., Assam.
1892 May 24.	{ *FARQUHARSON, THOMAS, B.Sc. ( <i>Edin.</i> ) .. . . . . }	{ Rosario Nitrate Co., per Gildemeister & Co., Iquique, Chili.
1892 May 3.	{ *FARR, CLINTON COLERIDGE, B.Sc. ( <i>Adelaide</i> ) .. . . . . }	Christchurch, New Zealand.
† 1892 Feb. 2.	FARR, WILLIAM BEAN .. . . . .	Netherby, Abington Park Parade, Northampton.
t m † 1896 May 19.	*FARRELL, RICHARD CRAIG .. . . . .	70 Wellington Street, Glasgow.
1899 Feb. 7.	FARRINGTON, THOMAS BOOTH .. . . . .	Trinity Square, Llandudno.
1894 May 1.	*FARRINGTON, WILLIAM .. . . . .	Urban District Council, Woodford.
1900 Mar. 6.	FAULCONER, HENRY VERRALL .. . . . .	Trainway Co., Bombay.
1894 Jan. 9.	FAWCETT, ARTHUR .. . . . .	Old Town Hall, Wakefield.
1893 May 16.	{ *FAWCETT, EDMUND ALDERSON SANDFORD .. . . . . }	Easley, Northwood, Middlesex.
1889 May 21.	*FAWCUS, ALFRED .. . . . .	Box 25, Malmesbury, Cape Colony.
1887 Feb. 1.	*FEARON, HENRY SOMERVILLE .. . . . .	5 Great Winchester Street, E.C.
1901 Apr. 2.	FEDDEN, SAMUEL EDGAR .. . . . .	{ Corporation Electricity Supply De- partment, Commercial Street, Sheffield.
1900 Apr. 3.	FELKIN, LEONARD GEORGE .. . . . .	Topham, Jones & Railton, Gibraltar.
1896 Feb. 4.	FELL, GEORGE NOBLE .. . . . .	53 The Avenue, Kew Gardens, S.W.
1884 Dec. 2.	FENDER, DAVID THOMAS .. . . . .	14 Hearnville Road, Balham, S.W.
1893 Dec. 5.	FENNELLY, RICHARD .. . . . .	Kilmore, Victoria.
1874 Dec. 1.	*FENWICK, CHARLES RICHARD .. . . . .	1 Park Place, Leeds.
1884 Dec. 2.	{ *FERREIRA, EDUARDO DE MORAES GOMES .. . . . . }	Pernambuco, Brazil.
1868 May 5.	FERREIRA, JOÃO NERI .. . . . .	Rio de Janeiro.
1891 Dec. 1.	*FESTA, GIULIO .. . . . .	11 Cleopatra Street, Alexandria.
1899 Dec. 5.	*FFORDE, FRANCIS CRESWELL .. . . . .	Topham, Jones & Railton, Gibraltar.
1893 Mar. 7.	FIDLER, ALFRED .. . . . .	Boro' Engineer, Southend.
1893 Jan. 10.	FIDLER, HENRY .. . . . .	Admiralty, 47 Victoria St., S.W.
1900 Feb. 6.	*FIELD, MICHAEL BIRT .. . . . .	{ 94 Hyndland Road, Kelvinside, Glasgow.
1882 Dec. 5.	*FIELDEN, EDWARD BROCKLEHURST .. . . . .	Conover Hall, Shrewsbury.
1894 May 1.	FIELDER, HERBERT .. . . . .	6 Salisbury Street, S.E.

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## ASSOCIATE MEMBERS.

1892 Feb. 2.	FINCH, ALFRED ROBERT .. ..	Town Hall, Kensington, W.
1897 Dec. 7.	{ FINCH, HENEAGE WYNNE, M.A. ( <i>Oxon.</i> ) .. .. ..	{ New University Club, St. James's Street, S.W.
1888 Jan. 10.	FINDLAY, GEORGE JAMES .. ..	Glanrafon, near Wrexham.
1892 Dec. 6.	*FINDLAY, ROBERT .. .. ..	Board of Works, The Green, Eltham.
1895 May 21.	*FINLAISON, HARRY GLEN ..	Irrigation Dept., Alexandria.
1882 May 2.	FINNEY, JAMES BABBITT .. ..	P.O. Box 16, Georgetown, Demerara.
1886 Feb. 2.	*FINNIMORE, BENJAMIN KINGTON ..	Kendarea, Darjeeling, India.
1900 Feb. 6.	FIRR, TOM FREEMAN .. .. ..	{ P.W.D., Zomba, British Central Africa.
1884 Dec. 2.	*FIRTH, GEORGE SEPTIMUS ..	{ Arthur's Road, Seapoint, Cape Town, C.C.
1883 Dec. 4.	*FIRTH, SYDNEY .. .. ..	{ Govt. Rys., King William's Town, Cape Colony.
1886 Mar. 2.	FISH, ROBERT .. .. ..	{ Newport Villa, York Avenue, East Cowes, I.W.
1889 Jan. 8.	FISHER, HENRY BEDWELL ..	L. B. & S. C. Ry., Newhaven.
1888 May 15.	{ FISHER, Rev. OSMOND PHILIP, M.A. ( <i>Cantab.</i> ) .. .. ..	Rose Cottage, Tarporley.
1885 Dec. 1.	*FISHER, SACKVILLE .. .. ..	
1895 Dec. 3.	FISHER, WILLIAM CLARK .. ..	24 Albany Road, Ealing, W.
1891 Apr. 7.	*FISHER, WILLIAM DIXON ..	Gresham House, Singapore, S.S.
1890 Feb. 4.	*FITT, JOHN EDWARD .. ..	P.W.D., Cape Town, C.C.
1889 May 7.	FITZGERALD, GERALD .. ..	Levin & Co., Wellington, N.Z.
1876 Dec. 5.	{ *FITZGERALD, MAURICE FRED- ERICK, B.A. ( <i>Dubl.</i> ) .. .. ..	32 Eglantine Avenue, Belfast.
1890 Dec. 2.	FITZ-GERALD, ROBERT DAVID ..	Roads and Bridges Dept., Sydney,
1898 Dec. 6.	FITZGIBBON, PHILIP JOHN ..	Belgaum, India. [N.S.W.]
1886 Dec. 7.	FITZ-PATRICK, ROBERT PERSE ..	{ Contractor's Office, Queen's Dock, Liverpool.
1893 May 16.	FLACH, JAMES .. .. ..	40 West Avenue, Derby.
1889 Dec. 3.	*FLAVELLE, ALBERT EDWARD ..	{ Laurieton, Camden Haven, Sydney, N.S.W.
1890 Dec. 2.	FLAVIN, WILLIAM RICHARD ..	{ 30 Ballygunge Circular Road, Bally- gunge, Calcutta.
1894 Jan. 9.	FLEMING, GEORGE EDWARD ..	{ Dewrance & Co., 163 St. Vincent Street, Glasgow.
1894 May 1.	*FLETCHER, BERNARD MORLEY ..	{ 7 Victoria Street, S.W. (Agonium, London.)
1891 May 5.	*FLETCHER, GEORGE EDWIN ..	Cale Green Villa, Stockport.
1893 May 2.	*FLETCHER, HENRY LAVINGTON ..	Murdoch & Templeton, Mansourah, Egypt.
1897 Dec. 7.	*FLETCHER, HERBERT PHILLIPS ..	29 New Bridge Street, E.C.
1887 May 24.	FLETCHER, JOHN .. .. ..	Boro' Eng., Durban, Natal.
† 1886 Feb. 2.	FLETCHER, JOHN WILLIAM ..	{ L. & N. W. Ry., London Road, Manchester.
1892 Dec. 6.	*FLETCHER, PATRICK .. ..	Bulawayo, Matabeleland.
1891 Dec. 1.	*FLETCHER, ROBERT ALEXANDER ..	Bulawayo, Matabeleland.
1894 Dec. 4.	FLETCHER, WALTER JOHN ..	County Surveyor, Wimborne.
1892 Dec. 6.	{ FLETCHER, WILLIAM WELLESLEY, POLE .. .. .. ..	P.W.D., Kandy, Ceylon.
1899 Apr. 11.	{ *FLOOD, JOHN GARNAR, B.A. ( <i>Cantab.</i> ) .. .. ..	Ibstock, near Leicester.
1897 Apr. 6.	*FLOWER, ERNEST HUBERT ..	Indian Midland Ry., Sehore, India.
1894 Dec. 4.	FLOWER, THOMAS JAMES MOSS ..	{ Carlton Chambers, Baldwin St., Bris- tol. (Moss-Flower, Bristol, 756.)
1901 Dec. 3.	FOLEY, JOHN .. .. ..	30 Brunton Place, Carlisle.
1887 Mar. 1.	FOOT, FREDERICK ROBERT ..	{ New Fastnet Works, Rock Island, Skibbereen, co. Cork.
1888 Mar. 6.	*FORBES, ANDREW .. ..	136 Otley Road, Leeds.
1896 Mar. 3.	*FORBES, HENRY KEITH ..	Long Newton Reservoir, Darlington.
1873 May 6.	FORD, ARCHIBALD HENRY ..	11 High Street, Portsmouth.

Date of  
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## ASSOCIATE MEMBERS.

1892 May 24.	{ *FORD, CHARLES FREDERICK VERNON .. .. ..	} Marehay Main Colliery, Ripley, Derby.
1883 May 29.	*FORD, HENRY WALTER ..	Calle Constitucion 1464, Buenos Aires. (Estacion Haedo, F. C. Oeste, Buenos
1889 Jan. 8.	*FORD, HUGO ROBERT ..	Aires.
1891 Dec. 1.	FORD, JOHN CUNNINGHAM ..	Cooke & Sons, 8 Victoria St., S.W.
1894 Mar. 6.	*FORD, THOMAS WHARTON ..	136-148 Tooley Street, S.E.
1897 Jan. 12.	FORDE, HENRY BLIGH ..	18 Deutscher Ring, Cologne.
1890 Apr. 1.	FORDER, WALTER GEORGE ..	59 Burnt Ash Road, Lee, S.E.
1894 Dec. 4.	FORREST, JOHN CHARLES ..	Holly Bank Colliery, Essington, Wolverhampton.
† 1896 Apr. 14.	{ *FORREST, WILLIAM ROBERTSON LIDDERDALE .. .. ..	7 The Sanctuary, Westminster, S.W.
1896 Mar. 3.	*FORRESTER, ARTHUR LIVESEY ..	Lea Cottage, Malmesbury, Wilts.
† 1894 May 22.	{ FORSTER, CHARLES EDWARD, B.A. (Sydney) .. .. ..	Colonial Sugar Refining Co., Sydney, N.S.W.
1882 Dec. 5.	{ FOSTER, EDWARD WILLIAM PERCEVAL, C.M.G. .. .. ..	P.W.D., Cairo.
1890 Dec. 2.	FOSTER, FRANK .. .. ..	F. C. Oeste, Once, Buenos Aires.
1891 Dec. 1.	{ *FOSTER, HENRY LLEWELLYN THOMAS .. .. .. ..	M. Longridge, 12 King Street, Manchester.
1890 Feb. 4.	FOTHERGILL, JOHN REED ..	1 Bathgate Terrace, West Hartlepool. (Tyne Improvement Commission, Newcastle-on-Tyne.
1901 Apr. 2.	FOULIS, WILLIAM AINSLIE ..	Nagpur, C.P., India.
1886 Mar. 2.	FOWLE, FULWAR CRAVEN ..	
1902 Jan. 14.	{ *FOWLER, CECIL ARTHUR, B.A.I. (Dubl.) .. .. ..	1 Newtown Villas, Waterford.
1892 Dec. 6.	*FOWLER, COLIN PROUD .. ..	Harbour Commission, Hartlepool.
t m † 1896 Dec. 1.	*FOWLER, HENRY .. .. ..	122 Rose Hill Street, Derby.
1887 Dec. 6.	{ FOWLER, THOMAS WALKER, M.C.E. (Melb.) .. .. ..	Blaris, Carlyle Street, Hawthorn, Melbourne, Victoria.
f m † 1901 Mar. 5.	{ *FOX, CHARLES BERESFORD, M.A. (Cantab.) .. .. ..	Box 420, Rhodesia Rys., Buluwayo, S. Africa.
† 1890 Feb. 4.	*FOX, GUILHERME HENRIQUE ..	States Ry., Kajang, Malay, S.S.
1893 Jan. 10.	*FOX, JOHN RICHARD STRATFORD ..	F. C. Rosario, 748 Avenida de Mayo, Buenos Aires.
1897 Dec. 7.	*FOY, ERNEST RUDOLPH .. ..	Chenâb Canal, Lyallpore, India.
1884 Dec. 6.	FRÄNCKEL, EDWARD .. ..	Atlas Works, Stockholm.
1879 Feb. 4.	FRANCKEN, WILLIAM AUGUSTUS ..	Okehampton, Devon.
1891 Apr. 7.	FRANKLIN, LUKE, B.E. (Queen's)	Mount Road, Fleetwood.
1901 Dec. 3.	*FRANKS, CHARLES FOARD ..	South Metropolitan Gas Company, 70 Bankside, S.E.
1894 Jan. 9.	*FRANKS, THOMAS WILLIAM ..	Seveig Buildings, Lewes.
1892 May 3.	FRASER, ALEXANDER ORME ..	São Paulo Ry., Jundiahy, Brazil.
1881 Dec. 6.	*FRASER, ERNEST GORDON ..	Staunton House, Staunton, Coleford, Glos.
1873 May 20.	FRASER, WILLIAM JOHN ..	121 Adelaide Rd., Hampstead, N.W.
1895 Dec. 3.	FRECH, ALFRED SIGISMUND ..	New Tredegar Dry Dock, Newport, Mon.
1877 Dec. 4.	FREEMAN, HENRY SOMERSON ..	Cormongers, Nutfield.
1895 Apr. 2.	*FRERE, FRANK HORACE ..	Eng.'s Office, Midland Ry., Derby.
1901 Apr. 2.	*FREUND, GEORGE JOHN, JUN. ..	Lancaster House, Dacres Road, Forest Hill, S.E.
1896 Dec. 1.	FREW, ALEXANDER .. .. ..	140 West George Street, Glasgow.
1890 Dec. 2.	FREW, ROBERT DIXON ALISON ..	Chelmer, near Brisbane, Queensland.
1901 Feb. 5.	*FRIEDBERGER, MAURICE BRYHAM	Knighton, Radnorshire.
1891 Apr. 7.	{ *FRIEDERICHS, HERBERT FERDI- NAND .. .. .. ..	Electric Light Station, Burn Road, West Hartlepool.
1888 Feb. 7.	*FROBISHER, EDWARD .. ..	Urban District Council, Fleetwood.
1884 Dec. 2.	FROGGATT, WILLIAM .. ..	Clmpeltown, Sheffield.
1886 Dec. 7.	FRY, WILLIAM HENRY .. ..	9 High Street, Gosport.
1893 Dec. 5.	*FUHR, HENRY HANNAY ..	P.W.D., King William's Town, C.C.

Date of Election.	ASSOCIATE MEMBERS.			
1887 Dec. 6.	FUJIKURA, KENTATSU .. ..	{ 4 Atagomachi Sanchome, Shibo, Tokio, Japan.		
1890 Jan. 14.	FULTON, DAVID .. ..	1 Garden Court, Temple, E.C.		
1893 Dec. 5.	*FURNESS, GEORGE JAMES .. ..	{ Knowles Tower, Roundwood Road. Willesden, N.W.		
1898 Dec. 6.	*FURNIVALL, FRANK .. ..	P.W.D., Lahore, India.		
1900 Dec. 4.	GABBETT, EDWARD .. ..	P.W.D., Maymyo, Burma.		
1900 Apr. 3.	GADSBY, DAVID JOHNSON .. ..	12 Cambridge Road, Hove, Sussex.		
1896 May 19.	{ GAFFNEY, STAFFORD, B.A.I. ( <i>Dubl.</i> ) .. ..	19 Upper Gloucester Place, N.W. { Señor Benito Posada, Apartado 104, Bogota, U.S. Colombia.		
1892 Dec. 6.	*GAGE, JOHN FRANKLIN .. ..	{ London Sanitary Protection Association, 13 Charles Street, St. James's, S.W. Woodthorpe Hall, near Sheffield.		
1900 Feb. 6.	{ GAILEY, THOMAS ANDREW, B.E., B.A. ( <i>Royal</i> ) .. ..	96 Midland Road, Bedford. P.W.D., Hong Kong.		
m 1871 Mar. 7.	*GAINSFORD, THOMAS ROBERT ..	{ 18 Huntly Gardens, Kelvinside, Glasgow.		
1877 May 29.	GALBRAITH, JOHN, M.A. ( <i>Toronto</i> )	School of Practical Science, Toronto.		
m † 1894 Dec. 4.	*GALE, ARTHUR ROBERT .. ..	1891 Mar. 3.	{ *GALES, ROBERT RICHARD, F.C.H. .. ..	96 Midland Road, Bedford. P.W.D., Hong Kong.
m 1889 May 21.	*GALE, CHARLES HENRY .. ..	{ 18 Huntly Gardens, Kelvinside, Glasgow.		
1893 Dec. 5.	*GALE, WILLIAM MORRIS .. ..	Urban District Council, Carshalton.		
1895 May 21.	GALE, WILLIAM WILLIS .. ..	King, King & Co., Bombay.		
1897 Dec. 7.	*GALLOWAY, THOMAS LINDSAY, M.A. ( <i>Glas.</i> ) .. ..	Vestry Hall, Upper St., Islington, N.		
1877 Dec. 4.	{ *GALLOWAY, THOMAS LINDSAY, M.A. ( <i>Glas.</i> ) .. ..	43 Mair Street Plantation, Glasgow.		
1880 Dec. 7.	GAMBLE, SIDNEY GOMPERTZ .. ..	Fire Brigade, Southwark, S.E.		
1892 Dec. 6.	GANDON, JOHN .. ..	Ottoman Gas Company, Smyrna.		
1889 Mar. 5.	*GARBUTT, MATTHEW .. ..	49 Gt. James St., Bedford Row, W.C.		
1894 Dec. 4.	{ *GARDNER, JOHN WISHART, FAIRLIE .. ..	15 Waverley Gardens, Crossmyloof, Glasgow.		
1897 Dec. 7.	*GARFIELD, JOSEPH .. ..	7 Apsley Villas, Bradford.		
1890 Apr. 1.	*GARLAND, ERNEST TALBOT COPE	{ Rookwood, Church Road, Richmond, Surrey.		
1899 Dec. 5.	*GARNETT, SYDNEY HAROLD ..	Cardross, Dumbartonshire.		
1900 Apr. 3.	GARRARD, GEORGE .. ..	Waterworks, Small Street, Bristol.		
1891 May 5.	*GARRARD, JOHN JERVIS .. ..	119 Church St., Maritzburg, Natal.		
† 1895 Apr. 2.	GARRATT, HERBERT ALFRED ..	{ Northern Polytechnic Institute, Holloway Rd., N.		
1895 Feb. 5.	*GARRETT, FRANK, Jun. .. ..	Leiston Works, Suffolk.		
1890 Dec. 2.	GARRETT, HENRY AUGUSTUS ..	Town Surveyor, Torquay.		
1896 Dec. 1.	GARROD, JOHN REBECK .. ..	{ F.C.E.R., Parana, Entre Rios, Argentina.		
1895 Dec. 3.	GARSIDE, EDWARD .. ..	{ Town Hall Chambers, Ashton-under-Lyne.		
1891 Dec. 1.	GARSON, GEORGE, B.Sc. ( <i>Edin.</i> )	Engineer's Office, Waranga, Rushworth, Victoria.		
1892 May 24.	GARTHWAITE, JOHN GEORGE ..	Engineer's Office, Guildhall, E.C.		
1902 Jan. 14.	*GARVIE, ROBERT HALLEY .. ..	{ 8 Salisbury Road, Chorlton-cum-Hardy, Manchester.		
1895 Jan. 8.	*GASK, PERCY TILLSON .. ..	Seaham Harbour, co. Durham.		
1892 Jan. 12.	GASKELL, JOHN BERRIDGE .. ..	Dock & Ry. Co., Milford Haven.		
1899 Apr. 11.	*GASKIN, FREDERIC WILLIAM ..	Water Engineer's Dept., Liverpool.		
1894 Dec. 4.	GATEHOUSE, TOM ERNEST .. ..	60 Gresham Road, Brixton, S.W.		
1891 Feb. 3.	*GATES, CHASEMORE PHILIP .. ..	{ Richmond Villa, Whitegate Drive, Blackpool.		
1887 Apr. 5.	GATT, LORENZO .. ..	10 Strada Seconda, Floriana, Malta.		
1900 Feb. 6.	*GAVIN, JOSEPH MERRICKS .. ..	65 South Hill Park, Hampstead, N.W.		
1900 Apr. 3.	{ *GEDYE, NICHOLAS GEORGE, B.Sc. ( <i>Birmingham</i> ) .. ..	15 Victoria Street, Westminster, S.W.		

Date of  
Election.

## ASSOCIATE MEMBERS.

1893 Mar. 7.	*GELSTON, ROBERT .. .. ..	74 George Street, Limerick.
1882 Dec. 5.	*GEORGE, DUNCAN .. .. ..	20 New Steine, Brighton.
1894 Mar. 6.	GERRARD, DAVID .. .. ..	Box 3712, Johannesburg, Transvaal.
1899 Dec. 5.	GERTNER, ALBERT WILLIAM ..	State Rys., Victoria Malocco, Chile.
1890 Dec. 2.	GHOSH, JOGINDRA NATH ..	P.W.D., Barisal, Bengal.
1897 Apr. 6.	*GIBB, ALEXANDER .. .. ..	Contractor's Office, New Dock Works, Ipswich.
1866 Feb. 6.	GIBB, EASTON .. .. ..	Haversham Grange, Twickenham.
1892 Feb. 2.	GIBBINS, WILLIAM DICKINS ..	63 Victoria Road, Northampton.
1874 May 5.	*GIBBONS, CHARLES PRESTON ..	T. Doewra & Son, Ball's Pond, N.
1889 Feb. 5.	{ GIBBONS, GEORGE BENJAMIN ALBERT .. .. ..	The Limes, Pedmore.
1902 Apr. 8.	GIBBS, ALECK ROBERT .. .. ..	265 Clapham Road, S.W.
m 1891 Dec. 1.	*GIBBS, LAWRENCE .. .. ..	Denison & Ram, Hong Kong.
1900 Apr. 3.	GIBSON, GEORGE HENRY ..	84 Buccleuch Street, Glasgow.
1893 Jan. 10.	*GIBSON, GEORGE LAMBERT ..	{ Rosslare Ry., Fishguard Bay, S. Wales.
1890 Jan. 14.	*GIBSON, NORMAN WALTER JOHN ..	H.Avenue, Royal Arsenal, Woolwich.
1900 Dec. 4.	*GIBSON, RALPH ERNEST ..	Gasworks, Huddersfield.
1899 Apr. 11.	{ GIBSON, THOMAS SYDNEY FLETCHER .. .. ..	Gasworks, 709 Old Kent Rd., S.E.
1885 Dec. 1.	*GIFFORD, EDWARD .. .. ..	Freya, Waverley Road, Kenilworth.
1890 Jan. 14.	*GIFFORD, HERBERT JAMES ..	
1895 Feb. 5.	{ *GILBERT, THOMAS STEPHEN, B.E. (Royal) .. .. ..	Harbour Office, Belfast.
C 1893 Dec. 5.	*GILBERT, WILLIAM .. .. ..	47 Victoria Street, S.W.
1885 Dec. 1.	*GILES, WALTER .. .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1883 Dec. 4.	GILL, ALBERT AUGUSTUS ..	35 Commercial Road, Pimlico, S.W.
1901 Apr. 2.	GILL, HENRY DUDLEY ..	{ Hornchurch Hall, Hornchurch, Essex.
1886 May 4.	GILL, JOHN .. .. ..	Lea Hurst, Bangor.
1888 Apr. 10.	GILL, JOHN .. .. ..	Imperial Road, Fulham, S.W.
1878 Feb. 5.	*GILL, JOHN CHARLES ..	Municipal Offices, Peterboro'.
1884 Mar. 4.	*GILL, LEONARD ALDRIDGE ..	Ingleside, Montague Rd., Ealing, W.
1886 Dec. 7.	GILLESPIE, JOHN .. .. ..	Govt. Railways, Willowmore, C.C.
1889 Dec. 3.	GILLIES, JAMES DOUGLAS ..	Greymouth, New Zealand.
1889 Dec. 3.	*GILLINGHAM, ALFRED JOHN ..	{ San Isidro 374, San Martin, Provincia de Buenos Aires, Argentina.
1894 May 1.	*GILL-JENKINS, DANIEL ..	Coronandel Gold Mining Co., Mysore, India.
1895 Jan. 8.	GILLMAN, GUSTAVE ..	Gt. Southern Ry., Aguilas, Spain.
1898 Dec. 6	GILMOUR, DAVID .. .. ..	{ Consolidated Investment Co., 30 Barnato Chambers, Johannesburg, Transvaal.
1891 Dec. 1.	GILMOUR, ROBERT .. .. ..	122 Wellington Street, Glasgow.
1896 Dec. 1.	*GIVEN, ERNEST CRANSTON ..	The Lodge, Aigburth Vale, Liverpool.
1900 Mar. 6.	GLASS, SYDNEY NEWTON ..	16 Ravenscroft Road, Chiswick, W.
1896 Jan. 14.	*GLOVER, GEORGE TERTIUS ..	{ N.E. Ry., Carriage Dept., Heaton-on-Tyne.
1887 Dec. 6.	{ GLOVER, RALPH STEPHEN, M.E. (Queen's) .. .. ..	Midland Ry., Betwa, India.
1891 Dec. 1.	*GLOVER, THOMAS .. .. ..	Bengal Iron Co., Barakur, Bengal.
1888 Dec. 4.	*GLOYNE, ROBERT MAYNARD ..	Town Hall, Eastbourne.
1885 Feb. 3.	GODAI, RIYOSAKU .. .. ..	{ Handa Silver Mine, Fukushima Ken, Dategori Koorishiku, Japan.
1891 Mar. 3.	GODFREY, ARTHUR HILL ..	District Surveyor, Rotherham.
1895 May 21.	*GODFREY, BERNARD ..	Municipal Offices, Shanghai.
1899 Dec. 5.	*GODFREY, CHARLES HENRY ..	Govt. Rys., Adelaide, S. Australia.
1897 Dec. 7.	*GODFREY, FREDERICK WILLIAM ..	Bengal-Nagpur Railway, 17 Garden Reach Road, Calcutta.
1897 Mar. 2.	{ *GODFREY, GEORGE COCHRANE, B.A. (Cantab.) .. .. ..	
1899 Dec. 5.	{ GODFREY, JOHN BRETON, B.E. (Calcutta) .. .. ..	W. Watson & Co., Bombay.

Date of Election.	ASSOCIATE MEMBERS.
† 1888 Apr. 10. GODFREY, ROBERT .. .. ..	Kilburn, Easingwold.
1900 Apr. 3. *GONCALVES, GEORGE .. .. ..	45 Torrington Square, W.C.
1880 Dec. 7. *GOOCHE, GEORGE .. .. ..	27 Great George Street, S.W.
1889 Mar. 5. *GOOCHE, HENRY JESSE .. .. ..	{Chelsea Waterworks, Commercial Road, Pimlico, S.W.
1888 Dec. 4. *GOOD, GEORGE LACY .. .. ..	Govt. Rys., Klipplaat, Cape Colony,
1899 Dec. 5. GOOD, HARRY .. .. ..	Municipal Engineer's Office, Johannesburg, Transvaal.
1890 Mar. 4. *GOODALL, CLARENCE NOËL .. .. ..	{Ivy Bank, Cambridge Road, Ted- dington.
1886 Apr. 6. *GOODALL, THOMAS EDWARD .. .. ..	{c/o Mrs. Goodall, 57 Fitzroy Rd., Regent's Park, N.W.
1878 Feb. 5. { *GOODFELLOW, ARTHUR TRETH- OWAN .. .. ..	Nagpur, C.P., India.
1899 Dec. 5. *GOODMAN, GEORGE SMITH .. .. ..	P.W.D., Colombo, Ceylon.
1894 Feb. 6. *GOODMAN, JAMES .. .. ..	{Grand Junction Waterworks, Brent- ford, W.
1894 Dec. 4. *GOODMAN, RICHARD .. .. ..	51 Cambridge Road, Chiswick, W.
1889 Apr. 2. GOODYEAR, HERBERT .. .. ..	Boro' Engineer, Colchester.
1890 Dec. 2. GORDON, CHARLES GRIMSTON .. .. ..	{c/o Royal Colonial Institute, Northumberland Avenue, W.C.
1888 Apr. 10. GORDON, HENRY ANDREW .. .. ..	{Bank of New Zealand Buildings, Queen Street, Auckland, N.Z.
1899 Feb. 7. { *GORDON, HENRY HERMAN, B.A. (Lond.) .. .. ..	2 Great Prescott Street, E.
1894 Dec. 4. GORDON, JOHN .. .. ..	Burgh Surveyor's Office, Aberdeen.
1897 Apr. 6. *GORE, WILLIAM .. .. ..	44 Inman Road, Harlesden, N.W.
1876 Mar. 7. GORMAN, WILLIAM AUGUSTUS .. .. ..	{187 Westminster Bridge Road, S.E. (Siebe, London.)
1887 May 3. GOSLETT, CHARLES ALFRED .. .. ..	1733 Euterpe St., New Orleans, U.S.
1899 Apr. 11. { *GOSTWYCK, HUMPHREY HARFORD GOSTWYCK .. .. ..	Engineer's Office, E. I. Ry., Cal- cutta.
1898 Mar. 1. GOTTE, CHARLES HENRY .. .. ..	8 Charles Street, Bradford.
1884 Dec. 2. *GOTTO, PERCY MURLY .. .. ..	{228 Dashwood House, New Broad Street, E.C. [N.W.
1895 Jan. 8. GOTTO, PETER .. .. ..	West Heath House, Hampstead.
1902 Apr. 8. GOW, WILLIAM JAMES .. .. ..	51 Shrewsbury Rd., Harlesden, N.W.
1882 May 2. GOULD, ROBERT .. .. ..	F. C. del Sud, Buenos Aires.
1892 Jan. 12. GOULDEN, THOMAS .. .. ..	Gasworks, Beckton, E.
† 1891 Feb. 3. GOUMENT, CHARLES ERNEST VERA .. .. ..	P.W.D., Lahore, Punjab.
1896 Dec. 1. { GOURLAY, WILLIAM FREDERICK, B.Sc. (Edin.) .. .. ..	Belmore, Canterbury Road, Camber- well, Victoria.
1884 May 27. GRAÇA, JOAO CORDEIRO DA .. .. ..	P.O. Box 566, Rio de Janeiro.
1878 Feb. 5. GRAFTON, ALEXANDER .. .. ..	{Vulcan Works, Bedford. (Grafton, Bedford.)
1900 Feb. 6. { *GRAHAM, ALFRED HENRY IRVINE .. .. ..	Castle Crine, Six Mile Bridge, co. Clare.
1900 Dec. 4. *GRAHAM, DONALD CHARLES .. .. ..	Cotswold, Lansdowne Road, Wimble- don, S.W.
1874 Apr. 14. GRAHAM, FRANCIS EDMOND .. .. ..	23 Cork Street, W.
1893 Apr. 11. GRAHAM, MAURICE .. .. ..	Summerhill, Apperley Bridge, Yorks.
1877 May 1. GRANT, ALEXANDER .. .. ..	Maryhill, Inverness.
1857 Feb. 3. GRANT, CHARLES HENRY .. .. ..	Addlestone, Hobart, Tasmania.
1883 Dec. 4. GRANT, ROBERT CAMPBELL .. .. ..	13 Walbrook, E.C.
1898 Feb. 1. GRANT-BROWNING, JOHN .. .. ..	{Waterworks, Higham Hill Ferry, Walthamstow, N.E.
1870 Apr. 5. *GRAVELL, DAVID .. .. ..	6 Queen Anne's Gate, S.W.
† 1898 Dec. 6. *GRAY, ANDREW .. .. ..	{Marconi Wireless Telegraph Co., 18 Finch Lane, E.C.
1886 Jan. 12. GRAY, ANDREW PATON .. .. ..	Govt. Rys., Colombo, Ceylon.
1888 May 15. GRAY, CHRISTIAN HAMILTON .. .. ..	Telegraph Works, Silvertown, E.
1897 Apr. 6. GRAY, FRANK JAMES .. .. ..	{39 Victoria Street, S.W. (Hydra- gonus, London.)

Date of  
Election.

## ASSOCIATE MEMBERS.

1896 May 5.	{ GRAY, GEORGE DAVID, B.A.I. ( <i>Dubl.</i> ) .. .. .. }	Eng.'s Office, City Hall, Dublin.
1892 Jan. 12.	*GRAY, HENRY HOLMES .. .. ..	Aldermaston, near Reading.
1897 Mar. 2.	*GRAY, ROBERT BRUCE McGREGOR	Gowthorpe, Selby.
1891 Apr. 7.	GRAY, WILLIAM .. .. ..	44 Broad Street, Birmingham.
1888 May 15.	GRAY, WILLIAM ERNEST .. .. ..	Telegraph Works, Silvertown, E.
1891 May 5.	GRAY, WILLIAM WYTHERS .. .. ..	4 Benet Street, Cambridge.
1885 May 19.	GREATHEAD, WALTER HORATIO	Salisbury, Rhodesia.
1890 Dec. 2.	*GREATOREX, ALBERT DANIEL	Boro' Engineer, West Bromwich.
1888 Apr. 10.	GREEN, EDWARD BAKER .. .. ..	13 Queen's Road, Erith.
1898 Apr. 5.	*GREEN, FREDERICK DAVIES .. .. ..	Glengall, Wanstead, E.
1887 Apr. 5.	*GREEN, GEORGE .. .. ..	Town Hall, Wolverhampton.
1891 Dec. 1.	*GREEN, GEORGE WILLIAM .. .. ..	12 Mortlake Road, Kew.
1879 Apr. 1.	GREEN, HENRY .. .. ..	Gas Company, Preston.
1889 Apr. 2.	*GREEN, ROBERT .. .. ..	{ 37 Waterloo Street, Birmingham. (Pritchard, Birmingham. 04742.)
1895 May 21.	*GREENE, LOUIS .. .. ..	King, Hamilton & Co., Calcutta.
1885 Mar. 3.	GREENHILL, FREDERICK MORRIS	1 Church Road, Penarth, Cardiff
1865 May 2.	GREENHILL, THOMAS ARTHUR	Santa Teresa 9, Madrid.
1897 Feb. 2.	*GREENHOUGH, FREDERICK HARRY	Admiralty Harbour Works, Dover.
1884 Apr. 1.	GREENLEES, ARCHIBALD .. .. ..	The Elms, Park Lane, Tottenham, N.
1893 Dec. 5.	GREENSHIELDS, NORMAN .. .. ..	Borough Surveyor, Bedford.
1899 Dec. 5.	{ GREENSHIELDS, ROBERT PAD- MORE .. .. .. ..	Hydraulic Power Co., 99 Queen St., Melbourne, Victoria.
1891 Dec. 1.	GREENWELL, ALLAN .. .. ..	49 Essex Street, Strand, W.C.
1893 Dec. 5.	GREENWOOD, CLAUDE .. .. ..	B. Greenwood, Ossett, Yorks.
1878 May 7.	*GREENWOOD, WILLIAM .. .. ..	{ 5 St. George's Villas, Greenpoint, Cape Town, C.C.
1876 Apr. 4.	GREGORY, CHARLES CURRIE .. .. ..	Antigonish, Nova Scotia.
1899 Dec. 5.	GREGORY, GEORGE MESROPE .. .. ..	1 Park Lane, Calcutta.
1892 Feb. 2.	*GREGSON, GEORGE LEOPOLD .. .. ..	9 Park Road West, Wolverhampton.
1889 Feb. 5.	*GREGSON, HERBERT BOYS .. .. ..	61 Woodstock Rd., Bedford Park, W.
1890 May 6.	GREGSON, JOHN .. .. ..	Craggs Villa, Padiham, Lanes.
1886 Dec. 7.	GREIG, ALFRED BURNESS .. .. ..	Wantage Engineering Co., Wantage.
† 1875 Apr. 6.	GREIG, ANDREW .. .. ..	{ 3 Duntrune Terrace, Broughty Ferry, N.B.
1902 Apr. 8.	GREIG, JAMES RENNIE .. .. ..	9 Southampton St., Bloomsbury, W.C.
† 1881 Dec. 6.	GRESLEY, WILLIAM STUKELEY	115 Radbourne Street, Derby.
1898 Apr. 5.	GREY, WILLIAM CHARLES .. .. ..	{ Ry. Construction Branch, P.W.D., Sydney, N.S.W.
† 1876 Dec. 5.	GRIBBLE, THEODORE GRAHAM	{ Midland & G. N. Railways, Melton Constable.
1880 Apr. 6.	*GRIERSON, CHARLES JAMES .. .. ..	{ 4 St. Mary's Villas, Warwick Road, Ealing, W.
1893 Dec. 5.	GRIFFIN, ALBERT EDWIN .. .. ..	Butterfield and Swire, Hong Kong.
1881 Dec. 6.	GRiffin, BEVERLEY .. .. ..	{ Priory Lodge, Sydenham Road, Guildford.
1901 Jan. 8.	{ *GRIFFITH, CHARLES LEOPOLD TROYTE .. .. .. ..	Selworthy, College Road, Harrow-on-the-Hill.
1902 Apr. 8.	{ *GRIFFITH, JOHN WILLIAM, M.A., B.A.I. ( <i>Dubl.</i> ) .. .. ..	Rosslare Harbour, co. Wexford.
1893 Dec. 5.	{ *GRIFFITHS, ANDRÉ PIERRE, E.Sc. ( <i>Paris</i> ) .. .. ..	{ 6 Rue de l'Oranger, Dieppe. (Clark's Consolidated Mine, Bulawayo, Rhodesia.
WC † 1874 Jan. 13.	{ *GRIFFITHS, JOHN ALFRED, B.Sc. ( <i>Victoria</i> ) .. .. ..	Patent Office, Brisbane, Queensland.
1887 Apr. 5.	GRIFFITHS, WALTER GEORGE	Rhymney Ry., Cardiff.
1878 May 28.	GRIFFITHS, WILLIAM .. .. ..	61 Sinclair Road, Kensington, W.
1890 Apr. 1.	*GRIMES, ARTHUR JOHN LUND	Indian Telegraph Dept., Bombay.
1886 Dec. 7.	*GRIMLEY, SAMUEL SLATER .. .. ..	District Council, Hendon, N.W.
1898 Dec. 6.	GRIMSHAW, CONWAY OSBORNE	68 Belgrave Road, S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1897 Apr. 6.	*GRIMSHAW, FREDERICK HENRY	{ Urban District Council, Atherton, Manchester.
1879 Mar. 4.	{ GRIMSHAW, JAMES ROBERT, B.A.I. ( <i>Dubl.</i> ) .. .. ..	London County Council, Spring Gardens, S.W.
1886 Dec. 7.	*GRITTON, CHARLES EDWARD ..	The Briars, Selhurst. [ampton.
1879 Apr. 1.	*GROSE, ARTHUR .. .. ..	Misterton, East Park Parade, North-
1850 Dec. 3.	GROVE, EDMUND .. .. ..	Norlington, Preston, Brighton.
1899 Apr. 11.	*GROVE, EDWARD LONG ..	Kuching, Sarawak, Borneo.
1895 Apr. 2.	*GROVER, FREDERICK .. ..	Greek Street Chambers, Leeds.
1877 May 29.	GROVES, LEONARD .. .. ..	Carisbrooke, near Newport, I.W.
1889 Jan. 8.	GROVES, LEVY JOHN .. ..	Crinan Canal, Ardrishaig, N.B.
1888 Feb. 7.	GRUNWELL, HARTLEY .. ..	10 Victoria St., Westminster, S.W.
1896 Dec. 1.	GUADAGNI, BERNARDO .. ..	51 Via Faenza, Florence, Italy.
1894 Feb. 6.	*GUEST, RICHARD .. ..	Sharp, Stewart & Co., Glasgow.
1878 Feb. 5.	{ *GUILLEMARD, ARTHUR FRANKLIN, B.A. ( <i>Oxon.</i> ) .. .. ..	Arica Ry., Tacna, Chile.
1884 Jan. 8.	*GUINNESS, ARTHUR PERCY ..	35 Argyle Road, Ilford, Essex.
1894 Dec. 4.	GUINNESS, HENRY SEYMOUR ..	Evesham, Blackrock, co. Dublin.
1896 Dec. 1.	*GULLAN, HECTOR FREEMAN ..	Supt. of Works, Town Hall Street, Belfast.
1882 Apr. 4.	GUMBLEY, WILLIAM ..	4 Overstrand Mansions, Battersea, S.W.
1889 Dec. 3.	GUNYON, CHARLES JAMES ..	30 Clarence Road, Wood Green, N.
1880 May 25.	*GUNYON, THOMAS PERCY ..	Chislehurst, Kent.
1892 Dec. 6.	GUTHRIE, JAMES KENNETH ..	Preston Colliery, North Shields.
1891 Dec. 1.	*GUYATT, THOMAS ALEXANDER ..	Gasworks, Ely.
1902 Apr. 8.	GUYATT, WILLIAM JAMES ..	{ F. J. Waring, C.M.G., 1 Victoria Street, S.W.
1885 Dec. 1.	HADFIELD, FREDERICK JOSEPH ..	Manor House, Ringsfield, Beccles.
1901 Apr. 2.	*HADOW, FREDERICK AUSTEN ..	King, King & Co., Bombay.
1892 Dec. 6.	HAHN, DANIEL MEINERTS ..	Port of Spain, Trinidad.
1885 Dec. 1.	HAIGH, JONATHAN .. ..	Town Hall, Abergavenny.
1902 Apr. 8.	HAIGH, WILLIAM HENRY ..	Borough Engineer's Office, Cardiff.
1879 May 27.	HAINES, JOSEPH RICHARD ..	{ Adderley Green Colliery, Stoke-on- Trent.
1895 Mar. 5.	HALDEN, GEORGE MASON ..	{ G. N. & City Ry., Poole Street, New North Road, N.
1889 Mar. 5.	HALL, ALBERT FRANCIS ..	{ The G. F. Blake Mfg. Co., Third St., East Cambridge, Mass., U.S.
1890 Apr. 1.	HALL, CARL .. .. ..	Durban Club, Durban, Natal.
1892 Dec. 6.	HALL, HARRY .. .. ..	{ 113 Fawnbrake Avenue, Herne Hill, S.E.
1899 Apr. 11.	HALL, JOHN WILLIM .. ..	Athenaeum Chambers, Birmingham.
1894 Dec. 4.	*HALL, LEONARD GEORGE ..	Gas and Waterworks, Rhyl.
1894 Feb. 6.	{ HALL, THOMAS ANDREW, B.E. ( <i>Royal</i> ) .. .. ..	Buncrana & Carndonagh Ry., Bun- crana, co. Donegal.
1890 Feb. 4.	HALL, THOMAS BERNARD ..	{ 119 Colmore Row, Birmingham. (Tamar, Birmingham.)
1891 Jan. 13.	HALL, WATKIN .. .. ..	Local Board, Gt. Crosby, Liverpool.
m 1900 Dec. 4.	*HALL, WILFRED, M.A. ( <i>Cantab.</i> )	Dilston Hall, Corbridge-on-Tyne.
1897 Dec. 7.	HALL, WILLIAM .. .. ..	B.B. & C.I. Ry., Bombay.
1885 Dec. 1.	HALLER, JAMES CRACROFT ..	Corporation Chambers, Dewsbury.
1886 Mar. 2.	HALLIDAY, JOHN .. .. ..	Harbour Trust, Melbourne, Victoria.
1869 Apr. 6.	HAMBLETON, FRANCIS HENRY ..	Hambleton & Co., Baltimore, U.S.
1897 Apr. 6.	HAMBY, GEORGE HENRY ..	Town Hall, Lowestoft.
1895 Dec. 3.	*HAMER, WILLIAM HENRY ..	Engineer's Office, Tilbury Docks.
1882 Feb. 7.	*HAMILTON, EDWARD .. ..	Rigwood, Saltburn-by-the-Sea.
1900 Jan. 9.	{ HAMILTON, PATRICK, B.Sc., ( <i>Glas.</i> ) .. .. ..	66 Victoria Street, S.W.
1892 Mar. 1.	HAMILTON, RICHARD GORDON ..	{ Govt. Ry., Tarqua and Kumasi, West Africa.

Date of  
Election.

## ASSOCIATE MEMBERS.

1891 Feb. 3.	*HAMMOND, PHILIP .. .. ..	United Railways, Havana, Cuba.
1902 Feb. 4.	*HAMMOND, ROBERT WHITEHEAD .. .. ..	64 Victoria Street, S.W.
1882 May 23.	*HAMP, HENRY JOSEPH .. .. ..	Surveyor, Swindon.
1901 Dec. 3.	*HANBURY, HERBERT WOOD .. .. ..	192 West Princes Street, Glasgow.
1900 Mar. 6.	{ *HANCKEL, ALFRED WOODS, { M.Sc. ( <i>Victoria</i> ) .. .. ..	G.W. Railway, Engineer's Office, Paddington, W.
1891 Dec. 1.	*HANCKEL, ROBERT STUART .. .. ..	Casilla 377, San José, Costa Rica.
1883 Dec. 5.	HANCOCK, HARRY .. .. ..	
1895 Dec. 3.	HANCOCK, HENRY LIPSON .. .. ..	Moonta Mines, South Australia.
1894 Apr. 3.	*HANDCOCK, HENRY WILLIAM .. .. ..	5 Albion Road, Sutton, Surrey.
1876 Feb. 1.	HANDLEY, HENRY JOHN .. .. ..	
1899 Jan. 10.	{ *HANNA, ROBERT FARRAN, { B.A.I. ( <i>Dubl.</i> ) .. .. ..	Delgany, co. Wicklow.
1874 Feb. 3.	HANNAH, JOSEPH EDWARD .. .. ..	Bristol Waterworks, Blagdon.
1893 Feb. 7.	HANNING, THOMAS .. .. ..	2 Collingwood St., Newcastle-on-Tyne.
1895 Dec. 3.	HANSARD, VICTOR HANSARD .. .. ..	Lincluden, Raynes Park, Surrey.
1881 Jan. 11.	HANSON, JOHN HENRY .. .. ..	20 Ramsden Street, Huddersfield.
1900 Dec. 4.	{ HANSSON, CARL THOMAS { ALFRED .. .. ..	Grando Morskaja 46, St. Petersburg.
1893 Dec. 5.	HARDIE, WILLIAM, Jun. .. .. ..	Gasworks, North Shields.
m 1874 Mar. 3.	{ *HARDINGHAM, GEORGE GATTON { MELHUISH .. .. ..	Clun House, Surrey Street, Strand, W.C. (Hardingham, London.)
1894 Mar. 6.	*HARDMAN, ERNEST WILLIAM .. .. ..	Cambrian Rys., Oswestry.
1890 Dec. 2.	{ *HARDWICK, FRANCIS WILLIAM, { M.A. ( <i>Oxon.</i> ) .. .. ..	15 North Church Street, Sheffield.
1890 Dec. 2.	*HARDY, CHARLES CHETWODE .. .. ..	{ East Indian Ry., Mirzapur, N.W.P., India.
1898 Dec. 6.	HARE, FREDERICK HERBERT .. .. ..	Town Hall, Mirfield, Yorks.
1902 Mar. 4.	*HARFELD, OSCAR .. .. ..	{ 6 Bolshaja Moskowskaja, St. Petersburg.
1886 Apr. 6.	{ *HARGRAVE, JOSHUA HARRISON, { B.A. ( <i>Queen's</i> ) .. .. ..	Gt. Northern Ry., Amiens St., Dublin.
1884 Mar. 4.	HARGREAVES, CHARLES FLEMING .. .. ..	Caixa 531, Rio de Janeiro. [Pk., W.
1880 Dec. 7.	HARGROVE, JOHN EDWARD .. .. ..	1 Colville Mansions, Kensington
1895 Feb. 5.	HARKER, WILLIAM .. .. ..	Cannon Street House, E.C.
1898 Dec. 6.	HARLEY, ALFRED FRANCIS .. .. ..	{ c.o. F. Harley, 127A Highbury New Park, N. [Hill, S.E.
1888 Jan. 10.	HARLEY, ARTHUR .. .. ..	Rosslyn, Westbourne Road, Forest
1897 Mar. 2.	HARLOCK, HAROLD .. .. ..	{ 51 Stanley Gardens, Hampstead, N.W.
1890 Jan. 14.	*HARNETT, ARTHUR .. .. ..	Thames Conservancy, Embankment,
1891 Feb. 3.	HARPER, HERBERT WILLIAM .. .. ..	63 Pitt Street, Sydney, N.S.W. [E.C.
1893 Dec. 5.	HARPER, LOUIS .. .. ..	115 Union Street, Aberdeen. [E.C.
† 1886 Dec. 7.	HARPER, WALTER ANDREW .. .. ..	Leadenhall Bldgs, 1 Leadenhall St.,
1897 Apr. 6.	HARRAP, GEORGE THOMAS .. .. ..	5 Budge Row, Cannon St., E.O.
1896 Dec. 1.	HARRIS, GORDON WILLIAM .. .. ..	Merryweather & Sons, Greenwich
1895 Dec. 3.	HARRIS, JOHN PARKER .. .. ..	Road, S.E.
1883 Feb. 6.	HARRIS, RICHARD .. .. ..	21 Delahay Street, Westminster, S.W.
1889 Dec. 3.	HARRIS, SAMUEL CHARLES .. .. ..	3 Vinery Villas, Regent's Park, N.W.
1889 Dec. 3.	*HARRISON, ARTHUR .. .. ..	51 Cannon Street, E.C.
1879 Mar. 4.	*HARRISON, EDMUND PONTIFEX .. .. ..	Engineer's Office, 81 Borough
1889 Dec. 3.	HARRISON, EDWARD HENRY .. .. ..	Road, S.E. [Durban, Natal.
1875 Apr. 6.	HARRISON, GEORGE DAY .. .. ..	Mrs. Harrison, Poste Restante,
1881 Feb. 5.	HARRISON, GEORGE HOWARD .. .. ..	7 Carteret St., Westminster, S.W.
1900 Jan. 9.	{ *HARRISON, HERBERT EDWARD { HYDE .. .. .. ..	Staffs. Potteries Waterworks, Hanley.
1885 Apr. 14.	{ HARRISON, HUGH ERAT, { B.Sc. ( <i>Lond.</i> ) .. .. ..	Thornton, near Ryde, I.W.
1892 Jan. 12.	*HARRISON, JOHN FREDRICK .. .. ..	Water Engineer's Office, Liverpool.
† 1887 Dec. 6.	HARRISON, JOSEPH .. .. ..	28 Sussex Place, Regent's Park, N.W.
		9 Beechwood Drive, Jordanhill, N.B.
		Royal College of Science, Kensington, S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 Apr. 5.	*HARRISON, OCTAVIAN JOHN ALFRED .. .. ..	12 Hencroft Street, Slough.
1888 May 1.	*HARRISON, OLIVER HERBERT ..	Tapachula, Chiapas, Mexico.
1887 May 24.	HARRISON, WILLIAM JOSEPH ..	{7 Carteret Street, Westminster, S.W. (Rubrica, London.)
1901 Dec. 3.	HARRISON, WILLIAM STUART ..	{c.o. Hong Kong Telephone Company, 14 Austin Friars, E.C.
1879 May 27.	HARRISON, THOMAS HARNETT	Central Buildings, North John Street, Liverpool.
1891 Feb. 3.	HARSTON, WILLIAM .. .. ..	Town Surveyor, High St., Dartford.
1869 Feb. 2.	HART, CHARLES .. .. ..	3 Avenue Road, Leamington.
1877 Feb. 6.	HART, JAMES .. .. ..	{Summerfield, Christopher P.O., King Co., Washington, U.S.
1899 Apr. 11.	{*HART, JOHN RUSSELL, B.A. ( <i>Cantab.</i> ) .. .. ..	43 Fitzgeorge Avenue, West Ken- sington, W.
1894 Dec. 4.	*HART, PATRICK CAMPBELL ..	John Finnie St., Kilmarnock, N.B.
1892 Dec. 6.	*HART, THOMAS .. .. ..	Tharsis Mines, Huelva, Spain.
1893 Jan. 10.	HARTLEY, JOHN .. .. ..	11 Monks Hall Grove, Eccles.
1886 Mar. 2.	*HARTLEY, RICHARD JAMES ..	Town Hall, Halifax.
1867 Apr. 2.	HARTREE, WILLIAM .. .. ..	Havering, Tunbridge Wells.
1892 Jan. 12.	HARVEY, FRANCIS GEORGE ..	Le Désir, Canal No. 1, Demerara.
1896 Feb. 4.	HARVEY, FRANCIS JOSEPH ..	{Cook & Sons, 13 Esplanade Road, Bombay.
1899 Dec. 5.	*HARVEY, HERBRAND .. .. ..	University Club, St. Louis, Mo., U.S.
1890 May 6.	HARVEY, JOHN BROWN .. .. ..	Reid Company, St. John's, New- foundland.
t ✠ 1880 Dec. 7.	HARVEY, Sir ROBERT .. .. ..	1 Palace Gate, W.
1892 Dec. 6.	HARVEY, ROBERT FALKLAND	17 Water Street, Liverpool.
S t ✠ 1873 Apr. 1.	HARVEY, THOMAS FLETCHER ..	Merthyr Tydfil.
1892 Feb. 2.	*HARVEY, THOMAS FRANCIS ..	Purland Chase, Ross, Herefordshire.
✚ 1885 Feb. 3.	HASEGAWA, KINSKE .. .. ..	{Imperial Taiwan Rys., Taipoh, Formosa, Japan.
1898 Feb. 1.	HASELDEN, ARTHUR .. .. ..	Linares, Jaen, Spain.
1898 Feb. 1.	HASELDEN, EUGENE KINNAIRD	La Carolina, Jaen, Spain.
1900 Feb. 6.	*HASSARD, ARTHUR, B.A.I. ( <i>Dubl.</i> )	{Congested Districts Board, 23 Rut- land Square, Dublin.
1890 May 6.	HASSARD, CHARLES .. .. ..	{Relief Works, Irrigation Dept., Bloem- fontein, Orange River Colony.
1896 Dec. 1.	*HASSELL, WILLIAM FRANCIS ..	{Gates & Thomas, Wrea Green, Kirkham, Lancs.
1900 Dec. 4.	HASTINGS, HAROLD .. .. ..	39 Clock House Road, Beckenham.
1899 Dec. 5.	HATCH, WILLIAM THOMAS ..	{Metropolitan Asylums Board, Vic- toria Embankment, E.C.
1897 Mar. 2.	*HATT, JOHN JOSEPH .. .. ..	E.I. Ry., Jamalpur, Bengal.
1883 May 1.	HAUGHTON, WALTER RALEIGH	{Eastern Bengal State Ry., Sealdah, Caleutta.
1902 Jan. 14.	{HAULTAIN, HERBERT EDWARD TERICK .. .. ..	Box 702, Nelson, British Columbia.
1891 May 5.	{HAWES, FREDERICK BENJAMIN OLIPHANT .. .. ..	1 Wellington Chambers, Bucking- ham Gate, S.W.
1897 Apr. 6.	*HAWKINS, PERCY .. .. ..	{Grindlay & Co., Parliament Street, S.W.
1893 May 2.	HAWKINS, RUPERT SKELTON ..	{Assam-Bengal Ry., Chittagong, Bengal.
1892 Feb. 2.	*HAWKINS, SYDNEY SANDERSON	Assam Ry., Dibrugarh, Assam.
1893 Dec. 5.	*HAWKINS, T. HAROLD .. .. ..	3 Rua da Bandeirinha, Oporto.
1900 Apr. 3.	*HAWKINS, TOM SHIRLEY ..	Cottonworth, Shirley, Southampton.
1895 May 21.	HAWKSLEY, JOSEPH .. .. ..	Waterworks, Great Yarmouth.
1897 Apr. 6.	HAWKSLEY, KENNETH PHIRSON	30 Great George Street, S.W.
1893 Dec. 5.	HAWLEY, CECIL EDWARD ..	{Briseis Tin Mines, Derby, Tas- mania.
1891 May 5.	HAWTREY, ALBERT NICHOLLS	12 Ella Road, Crouch Hill, N.
1897 Apr. 6.	HAY, JOHN ANGUS .. .. ..	{c.o. Dick, Kerr & Co., 110 Cannon St., E.C.

Date of  
Election.

## ASSOCIATE MEMBERS.

1890 May 6.	{ HAYCROFT, JAMES ISAAC, M.E. ( <i>Queen's</i> ) .. .. .. }	Ocean St., Woollahra, Sydney, N.S.W.
1879 Dec. 2.	HAYES, HERBERT EDWARD HORACE	P.W.D., Galle, Ceylon.
1876 Dec. 5.	HAYES, JOHN .. .. ..	St. David's Road, Carnarvon.
1897 Jan. 12.	HAYES, ROBERT THOMAS ..	Surveyor's Office, Newmarket.
1898 Dec. 6.	*HAYWARD, THOMAS ..	G. J. P. Ry., Jhansi, India.
1900 Dec. 4.	{ *HEAD, BENJAMIN WRIGHTSON, B.A. ( <i>Cantab.</i> ) .. .. .. }	47 Victoria Street, S.W. (Westminster 237.)
1894 Feb. 6.	*HEAD, D'ESTERRE PRITIE ..	Govt Rys., Maritzburg, Natal.
1898 Apr. 5.	*HEAD, HENRY COLEMAN ..	Gasworks, Branksome, Bournemouth.
1894 Dec. 4.	HEAP, DOUGLAS THEODORE ..	9 Bridge Street, Westminster, S.W.
1895 Dec. 3.	HEAP, HERBERT .. .. ..	Boro' Engineer's Office, Grimsby.
1882 Dec. 5.	HEAPHY, FRANCIS BRADSTREET	Ermington Villa, Fawnbroke Avenue, Ilverne Hill, S.E.
1883 Feb. 6.	HEAPHY, THOMAS MUSGRAVE	19 Lombard Street, E.C.
1873 May 20.	*HEATH, ARTHUR HENRY ..	{ 34 Parliament Hill Mansions, Highgate Road, N.W. [S.W.] }
1898 Dec. 6.	HEATH, ASHTON MARLER ..	Crown Agents' Office, Downing St., B.B. & C.I. Ry., Bombay.
1893 Feb. 7.	HEATH, REGINALD HEPBURN ..	{ Tasmania Gold Mine, Beaconsfield, Tasmania. }
1893 May 16.	*HEATHCOTE, CHARLES FRANCIS	
1893 Dec. 5.	{ *HEATHCOTT, JOHN M.Sc. ( <i>Victoria</i> ) .. .. .. }	Engineer's Office, London County Council, Spring Gardens, S.W.
t † 1892 Jan. 12.	{ HEATHER, HENRY JAMES SHEDLOCK, B.A. ( <i>Oxon.</i> ) .. .. .. }	Barberton, Transvaal.
1891 Apr. 7.	HEATLIE, ARTHUR, B.A. ( <i>Cantab.</i> )	Cape Govt. Rys., De Aar, S. Africa.
1890 May 6.	HEATLY, HARRY .. .. ..	Ballygunge, West Hill Road, S.W.
1895 Apr. 2.	*HEATON, FREDERICK GEORGE ..	King Street, Wigan.
1884 Jan. 8.	HEATON, GEORGE .. .. ..	King Street, Wigan.
1893 Jan. 10.	{ *HEATON-ELLIS, SYDNEY THOMAS EDWARD .. .. .. }	Barvins, Ravenscroft Park, Barnet.
1889 Dec. 3.	*HEBB, SIDNEY BEDFORD BEVES	{ Klein Engineering Co., 94 Market Street, Manchester. }
† 1892 Dec. 6.	{ HEBBERT, ERNEST GEORGE, B.A. ( <i>Cantab.</i> ) .. .. .. }	Aysgarth, Tunbridge Wells.
m 1886 Dec. 7.	*HEBBLETHWAITE, FRANK HIRST	{ Hotel Margaret, Columbia Heights, Brooklyn, U.S.
1896 Dec. 1.	*HEBERDEN, LOUIS EDWARD ..	Klipplaat-Oudtshorn Ry., Klipplaat, Cape Colony.
1900 Apr. 3.	HECKFORD, HARLEY .. .. ..	Council Offices, High St, Poplar, E.
1896 Dec. 1.	HECTOR, WILLIAM .. .. ..	Rodney Irrigation & Water Supply Trust, Tatura, Victoria.
1886 Mar. 2.	{ *HEDERSTEDT, WILLIAM ROBERT PAUL .. .. .. }	British Electric Traction Co., Donnington House, Norfolk Street, W.C.
1876 Dec. 5.	HEDGMAN, WILLIAM SOUTHWOOD	75 Upper Ground Street, S.E.
1900 Dec. 4.	{ *HEFFORD, CHARLES NELSON, M.Sc. ( <i>Victoria</i> ) .. .. .. }	22 Chapel Lane, Headingley, Leeds.
† 1889 Feb. 5.	HEINKE, EDWIN HARRY ALFRED	6 Downleaze, Stoke Bishop, Bristol.
1896 May 19.	*HEMINGWAY, WILLIAM .. .. ..	Daimler Motor Co., Coventry.
1893 Dec. 5.	HENDERSON, ARTHUR JAMES ..	Thames Ditton, Surrey.
1890 Feb. 4.	{ *HENDERSON, HECTOR WILLIAM BAILLIE .. .. .. }	Brisbane, Queensland.
† 1882 May 23.	*HENDERSON, HERBERT .. .. ..	{ 10 Wellesley Terrace, Belvidere Road, Liverpool. }
1892 Mar. 1.	HENDERSON, JOHN JAMES ..	N.W. Ry., Sukkur, Sind, India.
1900 Dec. 4.	HENDERSON, JOHN MACDONALD	209 King Street, Aberdeen.
1893 Dec. 5.	HENDERSON, ROBERT .. .. ..	Harbour, Burntisland, N.B.
1885 Jan. 13.	{ *HENDERSON, STEPHEN, M.A. ( <i>Aberd.</i> ) .. .. .. }	63 Pitt St., Sydney, N.S.W.
1893 Mar. 7.	HENNINGER, DANIEL .. .. ..	11 General Camara, Rio de Janeiro.
1881 Dec. 6.	*HENRIQUES, CECIL QUIXANO ..	15 Victoria Street, S.W.
1896 Jan. 14.	{ *HENRIQUES, EDGAR HENRY QUIXANO .. .. .. }	Victoria Foundry, Savile Town, Dewsbury.

Date of  
Election.

## ASSOCIATE MEMBERS.

1885 Jan. 13.	HENSHALL, EDWARD .. ..	Estate Office, Woolacombe, N. Devon.
1892 Dec. 6.	HENSON, JOSHUA BINNINGTON ..	Hunter District Board, Newcastle, N.S.W.
1902 Jan. 14.	*HENTY, MAURICE WALTER ..	Topham, Jones & Railton, New Bute Dock, Cardiff.
1883 Dec. 4.	*HERBERT, ARTHUR WILLIAM ..	Roadside Bag, Maritzburg, Natal.
1893 Mar. 7.	HERBERT, DAVID WILLIAM ..	Club of Western India, Poona, Bombay.
1897 Dec. 7.	{ HERDMAN, GEORGE WALKER, M.A., B.Sc. ( <i>Edin.</i> ) .. ..	2 Fyfield Road, Enfield.
1891 Mar. 3.	HERNU, ARTHUR HENRY ..	69 Victoria Street, S.W.
1891 Dec. 1.	HERRIOT, WILLIAM SCOTT ..	{ 19 Kier Street, Pollokshields, Glasgow.
1895 Mar. 5.	HESKETH, JOHN .. ..	{ Postal Telegraph Dept., Brisbane, Queensland.
1896 Feb. 4.	*HESLOP, JOHN GEORGE .. ..	Haswell, Sunderland.
1878 Feb. 5.	*HESS, ALBERT JOSIAH .. ..	8 Finch Lane, E.C.
t ♫ 1896 Mar. 3.	ETHERINGTON, JOSEPH .. ..	Cumbria, Hayes, Middlesex.
1901 Apr. 2.	{ *ETHERINGTON, ROGER, GASKELL, M.A. ( <i>Cantab.</i> ) ..	3 Broadlands Road, Highgate, N.
1874 Dec. 1.	HEWAT, WILLIAM MARSHALL ..	Ministry of Public Works, Cairo.
1898 Apr. 5.	HEWETT, BERTRAM HENRY ..	Grant House, The Fort, Bombay.
1900 Dec. 4.	{ *HEWETT, BERTRAM HENRY, MAJENDIE .. .. ..	7 Palliser Road, West Kensington, W.
1895 Apr. 2.	HEWITT, ALFRED HERBERT ..	{ Green Island Cement Co., Hong Kong. [Bristol.
1876 Feb. 1.	HEWITT, GEORGE COLTHURST ..	Serridge House, Coalpit Heath,
1889 May 21	*HEWSON, GEORGE .. ..	Boro' Engineer's Office, Leeds.
1894 Dec. 4.	*HEWSON, THOMAS, Jun. ..	Park Cottage, Roundhay, Leeds.
t ♫ 1900 Feb. 6.	HIBBINS, WILLIAM GEORGE ..	{ Municipal Technical School, The Newarke, Leicester.
1890 Dec. 2.	HICK, GEORGE WILLIAM ..	24 Chepstow Place, W.
1896 Dec. 1.	*HICKSON, GEORGE FORSTER ..	P.W.D., Perth, Western Australia.
1887 May 24.	HIDE, WILLIAM SEYMOUR ..	Amos & Smith, Albert Dock, Hull.
1889 Dec. 3.	{ HIGGINS, THOMAS WAGHORN, ELFORD .. .. ..	1 Edith Terrace, Chelsea, S.W.
1896 Dec. 1.	HIGGINS, FRANCIS BOVILL ..	Minas de Rio Tinto, Huelva, Spain.
1890 Feb. 4.	*HIGHET, DAVID JOHN ..	Kuala Lumpur, Selangor, S.S.
1884 Dec. 2.	*HIGHET, ROBERT SWAN ..	East Indian Ry., Calcutta. [wich.
1883 May 1.	*HIGHT, ARTHUR EDWARD ..	Whitlingham House, Thorpe, Nor-
1902 Apr. 8.	*HILDAGE, HENRY THOMAS ..	9 Elsenham Gardens, Southfields,
1891 Mar. 3.	*HILDRED, EDWARD THOMAS ..	1 High Street, Gosport. [S.W.
1889 May 7.	HILL, ALEXANDER .. ..	Merry Lee, Northwood, Middlesex.
1894 Dec. 4.	*HILL, ALFRED .. ..	George Law, Kidderminster. [E.
W C m ♫ 1888 May 15.	*HILL, ALFRED JOHN ..	North Dene, Higham Rd., Woodford, (c.o. H. S. King & Co., 65 Cornhill, E.C.
1884 Jan. 8.	*HILL, ARTHUR, F.C.H. ..	Madras Ry., Siruvallur, Madras.
1899 Apr. 11.	*HILL, CHARLES HAROLD ..	25 Queensdown Road, N.E.
1893 May 2.	HILL, CLAUDE WILLIAM ..	{ North British Ry., 23 Waterloo Place, Edinburgh.
1901 Jan. 8.	*HILL, DAVID GAY .. ..	{ Albert Chambers, Albert Square, Manchester.
1897 Feb. 2.	HILL, HARRY PRESCOT ..	{ City Engineer's Office, Bloemfontein, Orange River Colony.
1873 Apr. 1.	HILL, JAMES WOODWARD ..	Town Hall, Calcutta.
1892 Dec. 6.	*HILL, JOSEPH BALL ..	{ Hastings Exploration Syndicate, Nelson, British Columbia.
1874 Apr. 14.	HILL, LESLIE CRASWELLER ..	Waterworks, Belfast. [Birmingham.
1886 May 18.	HILL, WILLIAM .. ..	40 Wellington Road, Edgbaston,
1887 May 3.	HILL, WILLIAM .. ..	5 Victoria Street, S.W.
1880 May 25.	HILL, WOODMAN .. ..	Thames Ironworks, Blackwall, E.
1885 Feb. 3.	HILLS, ARNOLD FRANK ..	21 Gloucester Road, Tottenham, N.
1895 Dec. 3.	*HILLS, HARRY JAMES ..	

Date of Election.	ASSOCIATE MEMBERS.
1901 Feb. 5.	{ *HINCKS, HAROLD THORN-THWAITE .. .. .. .. }
1893 Feb. 7.	*HINDE, WILLIAM HENN .. .. .. ..
1897 Jan. 12.	*HINDLE, ARTHUR .. .. .. ..
1900 Dec. 4.	{ *HINDLEY, CLEMENT DANIEL MAGGS, M.A. ( <i>Cantab.</i> ) .. .. .. .. }
1902 Apr. 8.	HINDMARSH, RALPH FREDERICK .. .. .. ..
† 1895 Dec. 3.	HINTON, REGINALD JAMES .. .. .. ..
1881 May 3.	HIRD, GEORGE SMITH .. .. .. ..
1896 Dec. 1.	HIRST, RICHARD PILLING .. .. .. ..
1889 Jan. 8.	HISCOCKS, ALFRED MOSER .. .. .. ..
1893 May 16.	HOARE, ARTHUR .. .. .. ..
1891 Dec. 1.	*HOBBS, CHARLES JAMES .. .. .. ..
1888 Dec. 4.	*HOBBS, GEORGE .. .. .. ..
1900 Feb. 6.	*HOBLER, GEORGE ALEXANDER .. .. .. ..
1894 Feb. 6.	*HOBLEY, CHARLES WILLIAM .. .. .. ..
1870 Dec. 6.	HOBSON, JOHN FALSHAW .. .. .. ..
1900 Dec. 4.	HOBSON, WALTER DALBY .. .. .. ..
1878 Jan. 15.	HODGE, JOHN LAKEMAN .. .. .. ..
1892 Apr. 5.	HODGE, LEONARD PERCIVAL .. .. .. ..
1890 Apr. 1.	*HODGKIN, PHILIP ELIOT .. .. .. ..
1889 Dec. 3.	HODGKINSON, GEORGE .. .. .. ..
1888 Dec. 4.	{ HODGKINSON-CARRINGTON, ALFRED JAMES .. .. .. .. }
1901 Apr. 2.	HODGSON, EDWARD .. .. .. ..
1886 Dec. 7.	*HODGSON, JOHN SLACK .. .. .. ..
1897 Apr. 6.	*HODSON, FREDERIC WALTER .. .. .. ..
1894 Mar. 6.	*HOFFMANN, JOHN ISIDORE .. .. .. ..
1886 Feb. 2.	*HOGG, ALEXANDER JABEZ .. .. .. ..
1892 Jan. 12.	*HOLDEN, ALFRED .. .. .. ..
m † 1888 Mar. 6.	{ HOLDEN, FRANCIS JOHN GERALD, B.A. ( <i>Cantab.</i> ) .. .. .. .. }
1890 May 20.	HOLDEN, GEORGE HENRY .. .. .. ..
1891 Dec. 1.	HOLDEN, JAMES .. .. .. ..
1893 Dec. 5.	HOLFORD, WILLIAM GEORGE .. .. .. ..
m † 1888 Mar. 6.	*HOLLIDAY, JOHN .. .. .. ..
1900 Dec. 4.	{ *HOLLINGWORTH, EDWARD WILLIAM, B.A. ( <i>Cantab.</i> ) .. .. .. .. }
1897 Apr. 6.	{ *HOLLINGSWORTH, ARNOLD HACKNEY .. .. .. .. }
1897 Feb. 2.	{ HOLLINGSWORTH, HORACE CHARLES .. .. .. .. }
1893 May 2.	HOLLINGSWORTH, WILLIAM JOHN .. .. .. ..
1892 May 3.	HOLME, CLINTON JAMES WILSON .. .. .. ..
1888 Dec. 4.	HOLMES, EDWARD .. .. .. ..
1892 Mar. 1.	*HOLMES, GEORGE WILLIAM .. .. .. ..
1899 Jan. 10.	*HOLMES, JOHN LLEWELLYN .. .. .. ..
1873 Dec. 2.	{ HOLMES à COURT, Hon. ARTHUR WYNDHAM .. .. .. .. }
1897 Apr. 6.	{ *HOLMES à COURT, Hon. HENRY WORSLEY .. .. .. .. }
1875 Jan. 12.	HOLT, GEORGE HENRY .. .. .. ..
1883 Feb. 6.	{ *HOLT, PERCY WILLIAM MONCKTON .. .. .. .. }
1883 May 29.	HOLTTUM, WILLIAM HENRY .. .. .. ..
1890 May 20.	HOLTZAPFFEL, GEORGE WILLIAM .. .. .. ..
	Mysore Gold Mining Co., Marikup-pam, Mysore State, India.
	Cahara, Greystones, co. Wicklow.
	{ 44 Abingdon Street, Blackpool. (159.)
	East Indian Ry., Calcutta.
	{ 69 Osborne Road, Jesmond, Newcastle-on-Tyne. St. John del Rey Mining Co., Morro Velho, Brazil.
	Guildhall, Beverley.
	Boro' Engineer's Office, Southport.
	65 Southechurh Road, Southend-on-Bombay. [Sea.
	Hydraulic Eng. Co., 9 Bridge Street, 64 Gordon Road, Ealing, W. [S.W.
	Cairn's Railway, Cairns, Queensland.
	Coton Road, Nuneaton.
	Washington Ironworks, Durham.
	Nantlle, Penygoes, N. Wales.
	{ 21 Sea View Terrace, Lipson, Plymouth.
	P.W.D., Georgetown, British Guiana.
	The Firs, Southcote Road W., Read-Surveyor, St. Anne's, Lanes. [ing.
	26 Bloomsbury Square, W.C.
	Town Hall, Sunderland.
	Wellington, Mass., U.S.
	G. & F. W. Hodson, Loughborough.
	Rand Club, Johannesburg, Transvaal.
	{ Southern Mahratta Ry., Bangalore, India.
	Surveyor, Hindley, Wigan.
	Electric Supply Co., Seamer Road, Searborough.
	{ Hardman & Holden, Miles Platting, Manchester.
	Ash Cottage, Ely, Cardiff.
	Box 2927, Johannesburg, Transvaal.
	St. James's Gate Brewery, Dublin.
	16 Ulundi Road, Blackheath, S.E.
	P.W.D., Hong Kong.
	G.W.Ry., 150 Westbourne Terrace, W.
	62 Loughborough Park, S.W. 1 Crosshall Street, Liverpool.
	327 Fulwood Road, Sheffield.
	Town Hall, Walthamstow, E. [S.S.
	Tanjong Pagur Dock Co., Singapore, e.o. Truslove & Hanson, 143 Oxford Street, W.
	H. Lovatt, Contractor's Office, Broadway, Salford.
	20 Richmond Terrace, Blackburn.
	14 Burleigh Street, Auckland, N.Z.
	County Council, Spring Gardens, S.W.
	13 New Bond Street, W.

Date of  
Electon.

## ASSOCIATE MEMBERS.

1896 Dec. 1.	*HOMAN, WILLIAM MACLEAN ..	c.o. Swedish Consul, Durban, Natal.
1891 Dee. 1.	*HOMERSHAM, EDWIN COLLETT ..	{ c.o. Bewick, Moreing & Co., 20 Copt-hall Avenue, E.C.
1884 Jan. 8.	HONEYSETT, ARTHUR .. ..	39 Victoria Street, S.W.
1900 Dee. 4.	*HOOD, DAVID WILSON .. ..	Trinity House, Tower Hill, E.C.
1884 Dec. 2.	HOOLEY, COSMO CHARLES .. ..	{ Crofts Bank House, Davyhulme, Manchester.
† 1886 Dec. 7.	HOOLEY, EDGAR PURNELL .. ..	County Surveyor, Nottingham.
1891 Dec. 1.	HOOPER, EDWARD .. ..	Salisbury House, London Wall, E.C.
1901 Apr. 2.	*HOOPER, GEORGE ERNEST .. ..	Snowdon Rd., Bournemouth West.
1890 Feb. 4.	{ *HOOPER, HERBERT ROSS, M.A. (Oxon.) .. ..	{ c.o. J. G. White & Co., 22A College Hill, E.C.
1899 Feb. 7.	*HOOPER, PERCY NICHOLAS .. ..	{ 23 Clevedon Mansions, Highgate Road, N.W.
1899 Apr. 11.	*HOPE, ALARIC .. .. ..	{ Heath Heys, Woodchurch Rd., Birkenhead.
1877 Dec. 4.	HOPKINSON, ALFRED .. ..	15 Agur Street, Bury.
1889 May 7.	*HOPKINSON, FREDERICK THOMAS ..	61 Hope Street, Liverpool.
1896 May 19.	HOPKINSON, WILLIAM HENRY .. ..	23 Devonshire St., Keighley.
1891 Dee. 1.	HOPWOOD, JOHN .. ..	G. W. Ry., Mendoza, Argentina.
1882 Apr. 4.	HORN, DAVID BAYNE, F.C.H. ..	King, Hamilton & Co., Calcutta.
1886 Apr. 6.	*HORN, TOM ALEXANDER .. ..	11 Gray St., Waterloo Rd., S.E.
1874 Dec. 1.	*HORN, WILLIAM EDWARD .. ..	5 Tierney Road, Streatham Hill, S.W.
1889 Dec. 3.	HORNER, WALTER .. .. ..	2 Vancouver Road, Catford, S.E.
1900 Jan. 9.	{ HORSBURGH, ELICE MARTIN, M.A., B.Sc. (Edin.) .. ..	11 Granville Terrace, Edinburgh.
1894 Dec. 4.	{ *HORWOOD, JOEL HENRY, M.C.E. (Melb.) .. ..	{ Yereaud, S. India.
1899 Dec. 5.	HOSGOOD, WALTER JAMES .. ..	Station House, Port Talbot.
1895 Mar. 5.	*HOSKEN, ARTHUR FAYRER .. ..	Nizam's Rys., Secunderabad, Deccan.
1897 Apr. 6.	HOSKEN, RICHARD .. ..	Box 667, Johannesburg, Transvaal.
1883 May 1.	HOSKINGS, ARTHUR BERRIMAN .. ..	7 Northbrook Road, Lee, S.E.
1894 Jan. 9.	HOUGHTON, SIDNEY ALEXANDER .. ..	{ Board of Trade Consultative Dept., 54 Victoria Street, S.W.
1894 May 22.	*HOVIL, FRANK .. .. ..	Central Railway, Cuba.
1897 Jan. 12.	HOWARD, ALBERT HARRIS .. ..	{ 2 Queen Anne's Gate, Westminster, S.W. (Westminster 191.)
m † 1901 Jan. 8.	*HOWARD, FRANCIS ELIOT .. ..	Ardmore, Buckhurst Hill.
1886 Dec. 7.	*HOWARD, FRANK GEERE .. ..	7 Ellerdale Road, Hampstead, N.W.
1894 Dec. 4.	HOWARD, FREDERICK WILLIAM .. ..	Boro' Engineer's Office, Reading.
1886 May 18.	HOWARD, JOHN GEORGE .. ..	Box 550, Johannesburg, Transvaal.
1883 Dec. 4.	HOWARD-SMITH, WILLIAM .. ..	Guildhall, Westminster, S.W.
1891 Feb. 3.	*HOWARTH, FRANK .. .. ..	Water Engineer, Plymouth.
1889 Mar. 5.	HOWATSON, ANDREW .. ..	88 Avenue de Neuilly, Neuilly, Paris.
1902 Apr. 8.	HOWDLE, BENJAMIN .. ..	98 Littledale Rd., Seacombe, Cheshire.
1896 Dec. 1.	{ HOWELL, HEBER WILLIAM, HENRY .. .. ..	King, Hamilton & Co., Calcutta.
1883 May 29.	HOWELL, SAMUEL EARNSHAW .. ..	{ The Brook Steel Works, Sheffield. (Howell, Shetfield.)
† 1897 Feb. 2.	*HOWLEY, RICHARD JOSEPH .. ..	{ British Electric Traction Co., 1 Adelphi Terrace, W.C.
1891 Dec. 1.	*HOWLEY, WILLIAM JOHN .. ..	P.W.D., Bezwada, Kistna, Madras.
1897 Apr. 6.	HOWSIN, CECIL GASCOYNE .. ..	R.M. Ry., Fatehgarh, N.W.P., India.
1891 Dec. 1.	HOY, HENRY ALBERT .. ..	L. & Y. Ry., Horwich, Lancs.
1898 Dec. 6.	HUBBACK, THEODORE RATHBONE .. ..	{ P.W.D., Sandakan, British North Borneo.
1892 Mar. 1.	*HUDDART, JOHN .. .. ..	{ Victoria Road, Buckhurst Hill, Essex.
1882 Dec. 5.	*HUDLESTON, ANDREW JOHN .. ..	S. M. Ry., Dharwar, Bombay.
1897 Apr. 6.	HUDSON, ALFRED .. .. ..	Raise View, Grasmere, Westmorland.
1879 May 27.	HUDSON, JAMES CADOUX .. ..	75 Upp. Ground St., Blackfriars, S.E.
1899 Apr. 11.	*HUDSON, WALTER .. .. ..	{ George Findlay & Co., Cape Town, C.C.

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## ASSOCIATE MEMBERS.

1892 Dec. 6.	*HUGHES, EDWARD MORGAN ..	{ S Fairholme Road, Great Crosby, Liverpool.	
1900 Dec. 4.	{ HUGHES, FREDERIC SELBY, B.Sc. ( <i>Victoria</i> ) .. .. ..	Bengal-Nagpur Ry., Calcutta.	
1891 Feb. 3.	HUGHES, HERBERT WILLIAM ..	188 Wolverhampton Street, Dudley.	
1890 Feb. 4.	{ *HUGHES, WILLIAM GEORGE, CRAWFORD .. .. ..	89 Bolingbroke Grove, Clapham Junction, S.W.	
1878 May 28.	*HUGHES, WILLOUGHBY ROCHESTER ..	{ Harbour Works, Chin-Wang-tao, China. [Rugeley.	
1896 May 5.	*HULL, HENRY ADIN .. .. ..	L. & N. W. Ry., Anson House,	
1894 Dec. 4.	*HULL, PERCY WINSTANLEY ..	Pauling & Co., 26 Victoria Street, S.W.	
1896 Feb. 4.	*HULME, EDWIN .. .. ..	20 North John Street, Liverpool.	
1892 Dec. 6.	HUMAN, EDWIN .. .. ..	{ c.o. H. Human, 62 Birdhurst Road, South Croydon.	
1900 Apr. 3.	HUME, ALBERT STEWART ..	{ L. & Y. Ry., Lower Newlands, Brighouse, Yorks.	
1879 Apr. 1.	HUME, EDWARD NATHANIEL ..	{ Swalcliffe Court Estate Co., Whit- stable.	
1876 Dec. 5.	HUME, WASHINGTON .. .. ..	11 Ironmonger Lane, E.C. (Bank 272).	
1898 Dec. 6.	*HUMMEL, FRANK HARVEY ..	Mason College, Birmingham.	
1894 Dec. 4.	*HUMMEL, HORACE JAMES JORDAN ..	Homefield, Berlin Rd., Catford, S.E.	
1902 Apr. 8.	*HUMPHREY, BARNARD .. .. ..	28 Milton Road, New Swindon.	
T t ♫	1894 Dec. 4.	*HUMPHREY, HERBERT ALFRED ..	33 Victoria Street, S.W.
	1894 May 1.	*HUMPHREYS, HENRY HOWARD ..	28 Victoria Street, S.W.
	1885 Feb. 3.	HUMPHRYS, NORTON HENRY ..	Gasworks, Salisbury.
	1893 Feb. 7.	*HUNT, BERNARD .. .. ..	{ Charles Wagner, Caylloma, Arequipa, Peru.
	1892 Feb. 2.	*HUNT, EDWARD .. .. ..	Algeiras Railway, Gibraltar.
m ♫	1886 Mar. 2.	*HUNT, HENRY CHARLES TERRETT ..	1 Victoria Street, S.W.
	1900 Apr. 3.	*HUNT, LOUIS JOHN .. .. ..	{ Sandycroft Foundry, Hawarden, Chester.
	1895 Dec. 3.	*HUNTER, ADAM .. .. ..	32 Victoria Street, S.W.
	1883 Dec. 4.	HUNTER, ASHLEY JOHN .. .. ..	Shortland Street, Auckland, N.Z.
	1899 Dec. 5.	HUNTER, GEORGE LEWIS .. .. ..	Guildhall, Newcastle-on-Tyne.
m ♫	1888 Feb. 7.	*HUNTER, GILBERT MACINTYRE ..	Newyards, Maybole, N.B.
	1879 Feb. 4.	*HUNTER, JOHN .. .. ..	Quarry Bank, Belper.
	1889 Feb. 5.	*HUNTER, MAURICE .. .. ..	Bridge Street, Belper.
	1897 Apr. 6.	HUNTER, WALTER JAMES ..	{ Grand Junction Waterworks, Kew Bridge, W. [Tyne.
†	1895 Dec. 3.	HUNTER, WILLIAM GALLON ..	56 Manor House Road, Jesmond-on-
	1901 Apr. 23.	{ *HURLEY, FREDERICK ARTHUR, F.C.I. .. .. ..	Irrigation Dept., Ziftah Barrage, Egypt.
	1897 Dec. 7.	HURSE, ALFRED EDWARD ..	Hillside, London Road, Greenhithe.
	1898 Dec. 6.	HUSBAND, JAMES .. .. ..	{ Victoria Lodge, High Road, Chis- wick, W.
W t ♫	1897 Mar. 2.	HUSBAND, JOSEPH .. .. ..	66 Mona Rd., Spring Vale, Sheffield.
	1900 Apr. 3.	HUSTON, WILLIAM EDWARD ..	{ Fairman Place, Academy Road, Londonderry.
	1889 Apr. 2.	HUTCHINGS, CHARLES ARTHUR ..	Pearson & Son, Salina Cruz Harbour, Mexico.
	1898 Apr. 5.	*HUTCHINSON, HENRY WESTERN ..	Keyham Dockyard, Devonport.
	1888 Feb. 7.	{ HUTCHINSON, SYDNEY HUTTON, COOPER .. .. ..	United Service Club, Calcutta.
	1895 Dec. 3.	*HUTCHINSON, WILLIAM HAINES ..	Dunwood, Endon, Stoke-on-Trent.
	1892 Dec. 6.	{ HUTCHINSON, DANIEL LEAN, M.Sc. ( <i>Victoria</i> ) .. .. ..	G. N. & City Ry., Poole Street, New North Road, N.
	1894 Jan. 9.	{ *HUTCHINSON, GEORGE LEAN, B.Sc. ( <i>Glas.</i> ) .. .. ..	5 University Avenue, Glasgow.
	1902 Apr. 8.	*HUTCHINSON, WILLIAM .. .. ..	10 Oxford Drive, Kelvininside, Glasgow.
	1886 Dec. 7.	*HUTTON, CHARLES HERBERT ..	King, King & Co., Bombay.
	1879 May 6.	HUTTON, THEODORE BENT ..	4 Skeff Road, Swansea.
	1887 Apr. 5.	*HUTTON, WALTER HERBERT ..	{ 6 Ruskin Mansions, Queen's Club Gardens, Kensington, W.

Date of  
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## ASSOCIATE MEMBERS.

1895 Dec. 3.	*HUTTON, WILLIAM .. .. ..	Burnpark, Uddingston, Glasgow.
1895 Dec. 3.	HYSLOP, JOHN .. .. ..	27 Walton Well Road, Oxford.
1876 Mar. 7.	P'ANSON, WILLIAM .. .. ..	Bardencroft, Saltburn-by-the Sea.
1888 Dec. 4.	*IKIN, ARTHUR JOHN .. .. ..	1406, 8th St., Alameda, Cal., U.S.
1895 May 21.	*INGHAM, WILLIAM .. .. ..	Water Engineer, Torquay.
m 1901 Feb. 5.	{ *INGLIS, CHARLES EDWARD, B.A. ( <i>Cantab.</i> ) .. .. ..	Maitland House, Cambridge.
1901 Apr. 2.	*INGLIS, JOHN, B.Sc. ( <i>Edin.</i> ) ..	St. John, Limni, Euboea, Greece.
† 1881 Feb. 1.	*INGLIS, WILLIAM .. .. ..	Rosedale, Airdrie, N.B.
1900 Dec. 4.	{ INGOLDBY, THOMAS EDWARD, B.A. ( <i>Cantab.</i> ) .. .. ..	Glengariff, Coleraine Road, Westcombe Park, S.E. [Colony.]
1901 Apr. 2.	INMAN, CECIL DAUBENY .. .. ..	Harbour Works, Table Bay, Cape
1892 May 3.	IRONSIDE, WILLIAM DALTON ..	3 Golden Square, Aberdeen.
† 1899 Jan. 10.	IRVINE, FEARNSIDE .. .. ..	3 Nutley Terrace, Hampstead, N.W.
1877 Dec. 4.	IRVINE, JAMES .. .. ..	254 Gray's Inn Road, W.C.
1902 Apr. 8.	IRVINE, JOHN .. .. ..	1 Albion Place, Leels.
1896 May 5.	IRVING, DANIEL .. .. ..	Gas Co., Stapleton, Bristol.
1901 Apr. 23.	{ IRWIN, ARTHUR JOHN, B.A.I. ( <i>Dull.</i> ) .. .. ..	Royal Survey Dept., Bangkok, Siam.
1879 Feb. 4.	ISHERWOOD, RICHARD .. .. ..	Woodstock, New Brighton, Cheshire.
1880 Mar. 2.	*ITTER, ARTHUR WERNER ..	{ Waverley House, Waverley Grove, Hendon, N.W.
1887 Apr. 5.	*IVE, ERNEST .. .. ..	The Hermitage, Mead Vale, Redhill.
1880 Dec. 7.	IVENS, THOMAS EDWARD ..	18 King's Avenue, Ealing, W.
1892 Dec. 6.	*IVES, HARRY WILLIAM MACLEAN	Sirhind Canal, Ludhiana, Punjab.
1895 Feb. 5.	IVOR-MOORE, THOMAS .. .. ..	{ Craiglea, Mount Hermon Road, Woking.
1875 Dec. 7.	IZARD, WALTER GEORGE ..	10 The Paragon, Blackheath, S.E.
1887 Dec. 6.	*JACK, ARTHUR JOSEPH .. ..	The Crouch, Seaford, Sussex.
1885 May 19.	*JACKAMAN, CHARLES JAMES ..	Highfield, Bath Road, Slough.
1888 Apr. 10.	JACKS, THOMAS WILLIAM MOSELEY	{ Hillside, Brunswick Terrace, Wednesbury.
1900 Apr. 3.	*JACKSON, ALFRED ERNEST	City Engineer's Office, Hull.
† 1899 Dec. 5.	{ *JACKSON, CLEMENTS FREDERICK, VIVIAN, B.E. ( <i>Sydney</i> ) .. ..	{ Queensland Club, Brisbane, Queensland.
1883 May 29.	JACKSON, EDWARD JAMES ..	Kinburn West, St. Andrews, N.B.
† 1891 Dec. 1.	*JACKSON, GEORGE FREDERICK	N. E. Ry., Newcastle-on-Tyne.
1900 Dec. 4.	*JACKSON, HARRY .. .. ..	{ British Electric Tractiou Company, 1 Adelphi Terrace, W.C.
1887 Apr. 5.	*JACKSON, HUGH ROWLAND ..	The Hall Cross, Doncaster. [S.S.
1892 Apr. 5.	JACKSON, JAMES EDWARD, Jun.	P.W.D., Kwala Lumpur, Selangor,
1899 Apr. 11.	{ JACKSON, JAMES THOMAS, M.A., M.A.I. ( <i>Dubl.</i> ) .. ..	{ Greenville Lodge, Upper Rathmines, Dublin.
1895 Jan. 8.	JACKSON, ROBERT CATTLEY ..	{ Dr. Stroud, 10 Claremont Terrace, Newcastle-on-Tyne.
1890 Dec. 2.	JACOB, ALBERT FRANCIS .. ..	Waterworks, Prospect, N.S.W.
1879 Feb. 4.	*JACOB, EDWARD FOUNTAINE, C.I.E.	N. W. Ry., Lahore, Punjab.
1872 Dec. 3.	JACOB, EDWARD WESTLEY ..	39 Great George Street, Harrogate.
1891 May 5.	JACOBS, PAUL GEORGE .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1887 Jan. 11.	*JACOMB, WILLIAM WYKEHAM ..	72 Dyke Road, Brighton.
1897 Feb. 2.	*JACQUES, HAROLD SISSON ..	9 Manor Park Rd., Redland, Bristol.
1892 Jan. 12.	*JACQUES, HERBERT INNES ..	14 Randall Road, Clifton, Bristol.
1890 Jan. 14.	JACQUES, JAMES ROUTLEDGE ..	Callao Villa, Whitehaven.
1878 Jan. 15.	JACQUES, RICHARD .. .. ..	Loco. Supt., Caldera, Chile.
1902 Jan. 14.	*JAFFE, DANIEL .. .. ..	P.W.D., Hong Kong.
1892 May 24.	*JAMES, ALFRED, M.A. ( <i>Cantab.</i> )	Edgeworth Manor, Cirencester.
1893 Dec. 5.	*JAMES, ARTHUR CHARLES ..	District Council, Grays, Essex.
1889 Jan. 8.	*JAMES, REGINALD WILLIAM ..	{ St. Mildreds, Cambridge Road, Bromley, Kent.

Date of  
Election.

## ASSOCIATE MEMBERS.

1900 Apr. 3.	{ *JAMES, WILLIAM HENRY, B.Sc. (Wales) .. .. .. }	College of Engineering, Chepakk Palace, Madras.
f m ♫ 1901 Jan. 8.	{ *JAMESON, ALEXANDER HOPE, M.Sc. (Victoria) .. .. .. }	Derwent Valley Water Board, Bamford, Sheffield.
1880 Feb. 3.	*JAMESON, GEORGE .. .. ..	Bow Street Distillery, Dublin.
1892 Feb. 2.	*JAMESON, HENRY BENTLEY ..	P.W.D., Maritzburg, Natal.
1895 Dec. 3.	*JAMESON, FREDERICK ALEXANDER	Imperial Rys., Tongshan, China.
1901 Dec. 3.	*JAMESON, WILLIAM .. .. ..	46 Devonshire Road, Liverpool.
1895 May 21.	{ *JANSON, EDMUND WILLIAM, M.A. (Cantab.) .. .. .. }	23 St. Swithin's Lane, E.C.
1895 Dec. 3.	JAPP, HENRY .. .. ..	{ Surrey Commercial Docks, Rotherhithe, S.E.
1881 Jan. 11.	JARVIS, GEORGE EDWARD ..	Tembuland, Umtata, C.C.
1888 Dec. 4.	*JASPER, NICHOLAS PAUL ..	13 Charles Street, St. James's, S.W.
1887 Dec. 6.	JEEJEEBHIOY, PIROSHAW BOMANJEE	17 Church Street, Bombay.
1898 Apr. 5.	{ *JEFFARES, JOHN LETT SEALEY, B.Sc. (Edin.) .. .. .. }	Darling & Hopefield Ry., Darling, Cape Colony.
1889 Feb. 5.	JEFFERISS, THOMAS .. .. ..	Cornwall Works, Soho, Birmingham.
1881 Dec. 6.	*JEFFREYS, EDWARD HOMER ..	Hawkhills, Chapel Allerton, Leeds.
1893 Jan. 10.	JEKEN, JOHN LLEWELLYN ..	H.M. Dockyard Extension, Gibraltar.
1894 Mar. 6.	JEME, TIEN YOW, Ph.B. (Yale)	Imperial Chinese Telegraph Administration, Shanghai.
M W t ♫ 1891 Feb. 3.	{ *JENKIN, CHARLES FREWEN, B.A. (Cantab.) .. .. .. }	4 Vanbrugh Park Road West, Blackheath, S.E.
1895 Mar. 5.	JENKIN, CHARLES JAMES ..	Surveyor, Walton-on-Thames.
1895 Apr. 2.	*JENKIN, WILLIAM ALFRED ..	Dean Terrace, Liskeard.
1894 May 22.	*JENKINS, ALFRED JOHN ..	Town Hall, Burton-on-Trent.
1895 May 21.	*JENKINS, CHARLES WILLIAM ..	Bonnie Doon, Tamworth, N.S.W.
1890 Feb. 4.	*JENKINS, DAVID MORGAN ..	Borough Surveyor, Neath.
1878 Feb. 5.	JENKINS, GEORGE GORDON ..	16 Bridge Street, Aberdeen. (c.o. Miss Jenkins, 5 Deerbrook Road, Herne Hill, S.E.
1891 Apr. 7.	JENKINS, HENRY CHARLES ..	Beehive Works, Retford, Notts.
1888 Dec. 4.	JENKINS, WILLIAM JOHN ..	19 Merton Road, Walthamstow, E.
1902 Apr. 8.	JERRAM, GEORGE .. .. ..	23 Claremont Crescent, Edinburgh.
1876 Mar. 7.	JERVIS, ALEXANDER .. .. ..	{ London Steam Crane & Engine Works, Leicester. (Jessop, Leicester. 73.)
1877 Dec. 4.	*JESSOP, GEORGE .. .. ..	Boro' Surveyor, Hertford.
1897 Apr. 6.	JEVONS, JOHN HENRY .. .. ..	Lillooah, Belur P.O., Howrah, Calcutta.
1900 Apr. 3.	{ JEX-BLAKE, THOMAS BOWEN, M.A. (Oxon.) .. .. .. }	Boro' Engineer, Petone, New Zealand.
1889 Dec. 3.	JICKELL, SAMUEL .. .. ..	Goodworth Clatford, Andover.
1885 Feb. 3.	*JOBLING, EDWARD FISHER ..	74 Windsor Road, Forest Gate, E.
m 1877 Feb. 6.	*JOEL, HENRY FRANCIS ..	Box 1021, Johannesburg, Transvaal.
1893 Dec. 5.	JOHNS, JOHN HENRY .. .. ..	Guildhall, Maidenhead.
1896 Dec. 1.	*JOHNS, PERCY .. .. ..	Altan, Carrickfergus, Ireland.
♫ 1885 Mar. 3.	*JOHNS, WILLIAM ARTHUR ..	Egerton Street, Wrexham.
1894 Dec. 4.	JOHNSON, ALGERNON EDWARD ..	Boro' Engineer, Thornaby-on-Tees.
1892 Mar. 1.	*JOHNSON, CHARLES THOMPSON ..	Worcester Park, Surrey.
1879 May 6.	*JOHNSON, FREDERICK WILLIAM ..	{ Midland Ry., Eng's Office, Ambergate. [chester
1891 Jan. 13.	JOHNSON, HENRY CLEWLY ..	{ Wilton Polygon, Crumpsall, Manchester.
1899 Dec. 5.	{ JOHNSON, HEWLETT, B.Sc. (Victoria) .. .. .. }	Witham Office, Boston, Lines.
1901 Mar. 5.	JOHNSON, JAMES HEALEY ..	Engineers' Office, Midland Ry., Derby.
1898 Apr. 5.	JOHNSON, PHILIP HEBER ..	Mogulserai Gya Ry., Dehri Bridge Bengal.
1898 Dec. 6.	{ *JOHNSTONE, ARTHUR HENRY, B.A.I. (Dull.) .. .. .. }	Hackness Hall, Scarborough.
1883 Feb. 6.	JOHNSTONE, Hon. CECIL .. .. ..	238 West George Street, Glasgow.
1900 Dec. 4.	JOHNSTONE, RONALD HENRY ..	Ridge Cottage, Finchampstead, Berks. [Leyton.
1876 May 2.	{ JONES, ALFRED STOWELL, G.C. .. .. .. }	9 Manor Terrace, Lea Bridge Road, Gasworks, Via dei Cerchi, Rome.
1886 Mar. 2.	JONES, CHARLES EDWIN .. .. ..	
1877 Mar. 6.	JONES, CHARLES WILLIAM ..	

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## ASSOCIATE MEMBERS.

1888	Apr. 10.	*JONES, CYRIL EDWARD ARENGO	Cilymaenllwyd, Llanelly.	
1884	May 6.	JONES, EDWARD DUKINFIELD..	{ c/o Miss Jones, Riverton, Hadley	
1894	Jan. 9.	{ JONES, ELIAS CHRISTOPHER, B.Sc. ( <i>Lond.</i> ) .. .. ..	Wood, Barnet. 5 Rugby Road, Neath.	
1891	Dec. 1.	*JONES, EVAN DAVIES .. ..	2 Great George Street, S.W.	
1901	Dec. 3.	JONES, FRANK WILLIAM ..	Fernleigh, Green Hill, Derby.	
1902	Feb. 4.	*JONES, FREDERICK JAMES ..	Railways, Wellington, N.Z.	
1881	Feb. 1.	*JONES, GEORGE ARTHUR .. ..	{ c. o. A. L. Foster, 73 Basinghall Street, E.C.	
1886	Mar. 2.	JONES, HAROLD .. .. ..	45 Gwendwr Road, W.	
1887	May 3.	JONES, JOHN CHARLES DWAFYDD	Eastern Extension Telegraph Co., Singapore, S.S.	
1887	Dec. 6.	*JONES, JOHN EDWARD .. ..	Eastcliffe, Exton, Topsham.	
1875	Feb. 2.	*JONES, JOHN HUNTER .. ..	15 First Avenue, Brighton.	
1891	Dec. 1.	JONES, MONTAGUE RHYS ..	70 Bishopsgate Street, E.C.	
1891	May 5.	JONES, MORLAIS GLASFRYN ..	6 Delahay Street, Westminster, S.W.	
1876	Dec. 5.	*JONES, OWEN .. .. ..	Blackale Range Road, Beeswah, Queensland.	
1890	Mar. 4.	*JONES, PATRICK NICHOLAS HILL	P.W.D., Trinidad.	
1901	Dec. 3.	*JONES, SAMUEL CAREY .. ..	6 Mirador Crescent, Swansea.	
1896	Apr. 14.	{ *JONES, THOMAS GILBERT, B.Sc. ( <i>Victoria</i> ) .. .. ..	Technical School, Mount Pleasant, Swansea.	
1876	Feb. 1.	*JONES, WALTER ROBERTS ..	{ c.o. H. H. Jones, Winsor Terrace, Beckton, E.	
1891	Apr. 7.	*JONES, WILLIAM .. .. ..	{ Trefgarnedd, Meirion Gardens, Colwyn Bay, N. Wales.	
1886	Dec. 7.	*JONES, WILLIAM HEMMING ..	Dockyard, Liverpool.	
1884	Dec. 2.	JONGH, JOHN ISIDOR DE ..	San José, Costa Rica.	
1852	Dec. 7.	JOPLING, JOSEPH .. .. ..	175 Bloor St. East, Toronto, Canada.	
1891	Dec. 1.	JOPP, WILLIAM .. .. ..	{ East India United Service Club, 16 St. James's Square, S.W.	
1899	Dec. 5.	*JOSELIN, EDWARD LIVINGSTONE	Aston Ironworks, Birmingham.	
1884	May 6.	JOSEPH, ALLAN FERGUSON ..	Cairo.	
1879	Feb. 4.	*JOSEPHSON, JOSHUA PERCY ..	{ N.S.W. George St., Marrickville, Sydney,	
1891	May 5.	*JOY, HENRY GOLDRING ..	{ c.o. H. Master, 18 Theobalds Road, W.C.	
1896	Mar. 3.	*JUDD, CHARLES RICHARD ..	King, King & Co., Bombay.	
1880	Feb. 3.	{ JULIAN, ROBERT HILL, B.E. ( <i>Queen's</i> ) .. .. ..	Prospect Cottage, Braunton, N. Devon.	
1884	May 6.	KAPTEYN, ALBERTUS PHILIPPUS	{ Westinghouse Brake Co., York Rd., N. (Westinghouse, London. King's Cross 620.)	
1894	Dec. 4.	KATRAK, NAVROJI HORMASJI	229 Borah Bazar St., Fort Bombay.	
1900	Dec. 4.	KATZENSTEIN, ERNEST .. ..	515 Rivadavia, Buenos Aires.	
†	1898	Mar. 1.	KAY, STANLEY ROBERT .. ..	1 Albion Place, Leeds.
1898	Dec. 6.	KAY, WALTER ROBERT .. ..	{ G. and W. R. Kay, Athol Street, Douglas, Isle of Man.	
1893	Mar. 7.	*KEELING, HUGH TROWBRIDGE	c.o. H. S. King & Co., 65 Cornhill, E.C.	
m †	1899	Dec. 5.	*KEIGWIN, ARCHER DAVE ..	Hodbarrow Mines, Millom, Cumberland.
1887	Mar. 1.	KEIR, FRANCIS LINDSAY.. ..	Ry. Dept., Brisbane, Queensland.	
1888	Dec. 4.	KEITH, JAMES .. .. ..	{ 27 Farringdon Avenue, E.C. (James Keith, London. Holborn 620.)	
1899	Jan. 10.	KEITH, JAMES, B.Sc. ( <i>Glas.</i> ) ..	Devalha, Sutton, co. Dublin.	
1898	Mar. 1.	KEKEWICH, GEORGE ORMOND ..	Whitelands, St. George's Road, St. Margaret's, S.W.	
1893	Jan. 10.	*KELLETT, HARRY .. .. ..	53 Victoria Street, S.W.	
1901	Apr. 23.	*KELLY, ARTHUR CLIFTON ..	57 Romford Road, Stratford, E.	
1882	Mar. 7.	KEMBLE, FREDERICK .. ..	24 Church St., Kingston, Jamaica.	
1894	Feb. 6.	KEMP, JOHN .. .. ..	City Engineer, Brisbane, Queensland.	
1889	Feb. 5.	KEMP, WILLIAM EDMUND ..	D.P.W., Sydney, N.S.W. Island.	

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## ASSOCIATE MEMBERS.

1878 Jan. 15.	*KEMPE, HARRY ROBERT .. ..	Eng.-in-Chief's Office, G.P.O., E.C.
1881 May 31.	KEMPSON, CHARLES .. ..	Corporation Buildings, Leicester.
1890 Dec. 2.	*KEMPSON, CHARLES ALDWIN ..	Mossiel, New Ferry, Cheshire.
1896 Jan. 14.	*KEMP-WELCH, JOHN .. ..	Holmwood, The Crescent, Barnes.
1890 Dec. 2.	KENDALL, ROBERT .. ..	Existing Lines Dept., Sydney, N.S.W.
1878 Feb. 5.	*KENDALL, WILLIAM BARROW ..	184 Park Avenue, Hull.
1899 Dec. 5.	*KENNEDY, ROBERT SINCLAIR ..	11 Fellows Road, N.W.
1895 Dec. 3.	KENNEDY, THOMAS, JUN. ..	{ Ry. Construction Dept., Sydney, N.S.W.
† 1892 Dec. 6.	KENNY, WILLIAM EYRE .. ..	P.W.D., Malacca, S.S.
1888 Feb. 7.	KENT, JOHN BROADHURST ..	Commercial Gas Co., Poplar, E.
1898 Dec. 6.	*KENT, ROBERT JACKSON ..	King, King & Co., Bombay.
1876 Mar. 7.	KENWORTHY, EDWIN ..	18 Holly Road, Handsworth, Staffs.
1900 Dec. 4.	*KENYON, FRANCIS EDWARD ..	Gillingham Hall, Beccles.
1902 Jan. 14.	{ KER, ANDREW MARTIN, B.Sc. ( <i>Victoria</i> ) .. ..	Boro' Surveyor's Office, Warrington.
1896 Feb. 4.	KER, ARTHUR WILLIAM ..	Patella Works, Paisley, N.B.
1890 Dec. 2.	*KER, HUGH TORRANCE ..	Harbour Works, Folkestone.
1899 Dec. 5.	{ KER, JOHN STUART, B.Sc. ( <i>Edin.</i> ) .. ..	64 St. Petteril Street, Carlisle.
1899 Dec. 5.	{ KERMODE, GEORGE, M.C.E. ( <i>Melb.</i> ) .. ..	Town Hall, Castlemaine, Victoria.
1893 Dec. 5.	KERR, JOSEPH MALCOLM ..	{ Gokak Falls, Belgaum District, India.
1887 May 3.	*KERSHAW, FREDERICK WHITE ..	{ 3 Conyers Avenue, Birkdale, South- port.
1889 Dec. 3.	KIDD, HECTOR .. ..	{ Colonial Sugar Refining Co., Sydney, N.S.W.
1876 Feb. 1.	KIDD, THOMAS .. ..	104 Balham Park Road, S.W.
1893 Feb. 7.	KIDD, THOMAS .. ..	Swadlincote, Burton-on-Trent.
1900 Apr. 3.	{ *KIESER, WILLIAM HENRY GUSTAV .. ..	City Engineer's Office, Bristol.
1889 Feb. 5.	KIKKAWA, SANJIRO .. ..	{ 4 Bambamachi, Honjoku, Tokio, Japan.
1897 Dec. 7.	KILGOUR, MARTIN HAMILTON ..	Municipal Offices, Cheltenham.
1893 Jan. 10.	*KILLON, HARRY BIRCH .. ..	Heaton Moor, near Stockport.
1895 Dec. 3.	*KIMBER, JOHN FREDERIC CHARLES ..	3 Hollin Lane, Headingley, Leeds.
1892 Jan. 12.	*KINDERSLEY, ARTHUR EDWARD ..	Jaffna, Ceylon.
1894 Dec. 4.	*KING, CHRISTOPHER WATKINS ..	Harbours & Rivers Branch, D.P.W., Newcastle, N.S.W.
1892 Dec. 6.	{ KING, FRANCIS ALEXANDER STUART .. ..	Patna District Engineer, Bankipore, India.
1900 Jan. 9.	{ KING, ROBERT HENRY, B.A.I. ( <i>Dubl.</i> ) .. ..	Punchard, Lowther & Co., H.M. Dockyard Extension, Hong Kong.
1882 May 23.	*KINGDON, ZACHARY HARRIS ..	35 Blackheath Rd., Greenwich, S.E.
1888 Jan. 10.	KINGSFORD, HERBERT .. ..	Casilla 120, Lima, Peru.
1890 May 20.	{ KINGSLEY, ARTHUR HENRY, B.A. ( <i>Cantab.</i> ) .. ..	Fanshaws, Hertford.
1896 Dec. 1.	KINGSTON, HENRIQUE AUGUSTO ..	Govt. Telegraphs, Rio de Janeiro.
1892 Dec. 6.	KIRBY, JAMES NOBLE .. ..	Eng.'s Office, Midland Ry., Derby.
1896 May 19.	{ KIRBY, JOHN FREDERICK CAMPBELL .. ..	Thos. Cook & Son, Bombay.
† 1894 Jan. 9.	KIRBY, OSCAR JOHN .. ..	Town Hall, Batley.
1877 May 29.	KIRK, THOMAS .. ..	Town Hall, Ipswich, Queensland.
1888 Feb. 7.	KIRKALDY, JOHN .. ..	101 Leadenhall Street, E.C.
t † 1898 Dec. 6.	KIRKALDY, WILLIAM GEORGE ..	{ Testing Works, 99 Southwark St., S.E. (Hop Exchange 203.)
1901 Apr. 23.	{ KIRKLAND, JOHN, B.Sc. ( <i>Victoria</i> ) .. ..	Liverpool Road, Patricroft, Man- chester.
1898 Dec. 6.	{ *KIRKPATRICK, CYRIL REGINALD SUTTON .. ..	39 Leazes Terrace, Newcastle-on- Tyne [N.S.W.]
1895 Mar. 5.	KIRKPATRICK, THOMAS HENRY ..	Roads & Bridges Dept., Sydney,

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1897 Jan. 12.	{ *KIRKWOOD, JAMES HOWIE, B.Sc. ( <i>Glas.</i> ) .. .. .. } 30 Queen Mary Avenue, Crosshill, Glasgow. [N.B.]
1897 Apr. 6.	KIRKWOOD, JOHN .. .. .. Janestone House, Bushes, Paisley.
1884 Apr. 1.	KIRSTEIN, HENRY CHARLES .. 7 Gloucester Place, Greenwich, S.E.
m 1901 Apr. 2.	*KITCHIN, JOHN WILLIAM .. .. .. { Admiralty Dockyard Extension, Keyham, Devonport.
1872 Jan. 9.	KITT, ALFRED .. .. .. 5 Victoria Street, S.W.
1873 Jan. 14.	KITT, BENJAMIN .. .. .. Sydney Lodge, Bathwick, Bath.
1897 Jan. 12.	{ KITTO, WALTER WILLIAM MURRAY .. .. .. }
1894 Mar. 6.	*KLOPP, GEORGE ONNO HOMFELD { Glenthorne, Chislehurst. (Tapas-sant, London.) }
1891 Dec. 1.	KNIGHT, BERTRAND THORNTON Ry. Dept., Pak D'joing, Siam.
1897 Jan. 12.	KNIGHT, CLAUD HOPE .. .. Jaltipan, Vera Cruz, Mexico.
1900 Feb. 6.	KNIGHT, JOHN MACKENZIE .. Bushwood, Wanstead, Essex.
1896 Jan. 14.	KNIGHTS, RICHARD .. .. .. Govt. Rys., Sekondi, Gold Coast.
1888 May 1.	{ *KNOWLES, ARTHUR JAMES, B.A. ( <i>Cantab.</i> ) .. .. .. } 27 Campden House Chambers, Campden Hill, W.
1890 Dec. 2.	KNOWLES, CHARLES EDWARD .. Holmdale, Glossop, Manchester.
1895 Jan. 8.	KNOWLES, GEORGE WILLIAM .. Raincliffe, Clevedon, Somerset.
1888 Feb. 7.	KNOWLES, ROBERT .. .. Ednaston Lodge, near Derby. [N.Z.]
1894 Dec. 4.	KOCH, AUGUST CHARLES .. District Office, Ry. Dept., Wellington,
1893 Dec. 5.	KOLLE, HAROLD WERNER .. Egremont, Tulse Hill, S.W.
1901 Feb. 5.	KONDO, SENTARO .. .. Doboku Kantokusho, Tokio, Japan.
1882 Apr. 4.	*KORTRIGHT, LAWRENCE MOORE 61 Whitbread Road, Brockley, S.E.
1898 Dec. 6.	KRAUS, JACOB .. .. .. Polytechnic School, Delft, Holland.
1901 Apr. 2.	*KÜHL, HABRIS JÜRGEN CARL .. 21 Delahay Street, Westminster, S.W.
1898 Dec. 6.	KUSSMAUL, CHRISTIAN .. .. .. { Board of Works, 501 Collins Street, Melbourne, Victoria. }
1893 Dec. 5.	LABASTIDE, ALBERT FRANCIS DE Govt. Rys., Trinidad.
1887 Feb. 1.	*LABATT, JOHN BAGOT .. .. .. { Brougham Place, N. Adelaide, S. Australia. }
1896 Dec. 1.	LACEY, JOSEPH MELVILLE .. .. .. { 25 St. Stephen's Square, Bayswater, W. }
m 1883 May 29.	*LACEY, THOMAS STEPHEN .. .. .. { Gas Light & Coke Co., York Road, King's Cross, N. }
1891 Dec. 1.	LACHLAN, WILLIAM .. .. .. { E. F. Novo Hamburgo, Porto Alegre, Rio Grande do Sul, Brazil. }
1894 May 22.	LACKLAND, JOHN JAMES .. .. .. Water Engineer, St. Helens, Lancs.
1894 Dec. 4.	LACKLAND, WILLIAM SAMUEL .. Holderness Drainage, Beverley, Yorks.
1896 Apr. 14.	*LADE, ALEXANDER .. .. .. Dock Extension, Sunderland.
1902 Apr. 22.	{ LAFFÈRE, RICHARD LAWSON, B.A.I. ( <i>Dublin</i> ) .. .. .. } Trigonometrical Survey Dept., Taiping, Perak, S.S.
1896 Dec. 1.	LAILEY, CHARLES NICHOLSON .. 6 The Sanctuary, Westminster, S.W.
1901 Dec. 3.	*LAING, JOHN ROSS .. .. .. 16 Summerside Place, Leith.
1895 May 21.	*LAING, WILLIAM ARTHUR BAIRD .. 41 Charlotte Square, Edinburgh.
1893 Dec. 5.	LAING-MEASON, GILBERT .. South Canterbury Club, Timaru, N.Z.
1898 Apr. 5.	LAKE, VIVIAN DAVEY .. .. .. { S. Pearson & Son, Seaham Harbour, Durham. }
1889 May 7.	{ *LAKE, WILLIAM GEORGE WOOLLCOMBE .. .. .. } Benton, Teignmouth.
1893 Dec. 5.	LAMBERT, FITZGERALD GAGE B. & N.W. Ry., Bhagalpur, India.
1882 Mar. 7.	*LAMBERT, GEORGE BUCHANAN Madanapalle, Madras.
1895 Apr. 2.	*LAMBERT, JOSHUA .. .. .. 712 High Road, Tottenham, N.
1889 Dec. 3.	*LANCASHIRE, WILLIAM THOMAS Deputy City Surveyor, Sheffield.
1892 May 3.	LANCASTER, EDWARD WILLIAM Ashleigh, New Malden, Surrey.
1889 Dec. 3.	{ LANCASTER, WILLIAM JOSEPH COSENS .. .. .. } The Kraal, St. Julian's Farm Road, West Norwood, S.E.
1888 Feb. 7.	*LANDER, PHILIP VINCENT .. .. .. { Compania de Obras Publicas, Avenida de Mayo 586, Buenos Aires. }

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1895 Dec. 3.	LANDLESS, JAMES THOMAS ..	Station Buildings, Nelson, Lancs.
1893 Dec. 5.	{ *LANDON, WILLIAM HENRY .. FITZROY .. .. .. ..	Creaton House, Northampton.
1897 Mar. 2.	LANE, FREDERICK PAGET ..	23 East Cliff, Dover.
1887 Dec. 6.	LANE, GEORGE .. .. ..	Gasworks, Aylesbury.
1895 Feb. 5.	*LANE, STANLEY ARTHUR ..	{ H.M. Dockyard Extension, Keyham, Devonport.
1889 Dec. 7.	*LANG, JOHN CHARLES .. ..	Liskeard, Cornwall.
1882 Mar. 7.	{ *LANGE, FREDERICK MONTA- GUE TOWNSHEND .. .. ..	Parliament Mansions, Victoria Street, S.W.
1897 Mar. 2.	LANGFORD, WILLIAM MORRIS ..	Galatz Waterworks, Roumania.
1890 Mar. 4.	*LANGSTON, ALFRED CECIL ..	Dowlaishwaram, Madras. [worth.
1880 Dec. 7.	LANGTREE, OCTAVIUS .. ..	The Poplars, Herongate, Rickmans-
<i>f m</i> ♫ 1902 Apr. 8.	{ *LAPEWORTH, HERBERT, B.Sc. ( <i>Biru</i> ) .. .. ..	Derwent Valley Water Board, Bamford, Sheffield.
	LARARD, CHARLES EDWARD ..	Northampton Institute, Clerkenwell.
1895 Dec. 3.	LARGE, CHARLES JOHN EDMONDS ..	Brecon. [E.C.
1898 Dec. 6.	{ LARMOR, WILLIAM WRIGHT, B.A. ( <i>Royal</i> ) .. .. ..	Banbridge, co. Down.
1899 Dec. 5.	LA ROCHE, CHARLES AUGUSTUS ..	Harbour Board, Auckland, N.Z.
1900 Dec. 4.	*LART, FREDERICK ARTHUR ..	{ 1 Loudon Terrace, Kelvinside, Glasgow.
1896 May 5.	*LASHMORE, ERNEST WARD ..	Willway Street Depot, Bristol.
<i>W t</i> ♫ 1886 Apr. 6.	LAST, WILLIAM ISAAC .. ..	{ Machinery Division, Victoria and Albert Museum, S. Kensington, S.W.
	1899 Apr. 11. LATHAM, GEORGE BALDWIN ..	{ Parliament Mansions, Victoria Street, S.W.
1892 Apr. 5.	*LATIMER, HUGH HAUGHTON ..	Apartado 385, Mexico City.
1901 Apr. 2.	{ *LA'TROBE-BATEMAN, FREDERIC WINFRIED .. .. .. ..	36 Kensington Mansions, Earl's Court, S.W.
1883 May 29.	*LAURENCE, REGINALD .. ..	Gothic Works, Norwich.
1893 Dec. 5.	*LAURENS, FRANK .. .. ..	Norfolk Park, Maidenhead.
1901 Dec. 3.	Laurie, GORDON COLET .. ..	Jhelum Canal, Shahpur, Punjab.
1894 Dec. 4.	*LAURIE, KENNETH SMALE .. ..	{ East Indian Ry., Cawnpore, N.W.P., India.
1895 Dec. 3.	*LAVELLE, DAVID JOHN .. ..	Wilson & Co., Madras.
1878 May 28.	LAVEY, CHARLES .. .. ..	19 Arundel Square, Barnsbury, N.
1897 Mar. 2.	LAW, GEORGE ERNEST .. ..	P. W. D., Perth, Western Australia.
1890 May 20.	LAW-GREEN, CHARLES .. ..	50 Hampton Road, Southport.
1896 May 5.	LAWN, JAMES GUNSON .. ..	School of Mines, Kimberley, C.C.
1899 Dec. 5.	*LAWRENCE, RICHARD PRIESTLEY ..	{ G. W. Ry., Engineer's Office, Pad- dington, W.
1897 Mar. 2.	*LAWS, BERNARD COURTNEY ..	{ Lloyd's Register, 3 St. Nicholas Buildings, Newcastle-on-Tyne.
1892 May 3.	*LAWSON, ALBERT WILLIAM ..	Municipal Offices, Rawtenstall.
1882 May 2.	LAWSON, CHARLES GRIFFIN ..	Dist. Council, Palmer's Green, N.
1889 Dec. 3.	*LAWSON, CHARLES HENRY ..	201 Lloyd Street, Manchester.
1886 Feb. 2.	LAWSON, VINCENT ALEXANDER ..	Strond, Gloucestershire.
1888 Dec. 4.	LAWTON, RICHARD JOHNSON ..	47 Waldegrave Park, Twickenham.
1892 Mar. 1.	{ *LAZENBY, ARTHUR, B.A. ( <i>Cantab.</i> ) .. .. ..	Rammore, Rugby.
1901 Apr. 2.	LEA, FREDERICK CHARLES ..	61 Shrewsbury Road, Harlesden, N.W.
1900 Dec. 4.	*LEADER, HUGH .. .. ..	Thornlene, Oakleigh Park, N.
1898 Dec. 6.	{ LEAF, EDWARD HUNTINGDON, B.A. ( <i>Cantab.</i> ) .. .. ..	Burlington Lodge, Streatham Com- mon, S.W.
1898 Dec. 6.	{ LEAF, HENRY MEREDITH, B.A. ( <i>Cantab.</i> ) .. .. ..	Burlington Lodge, Streatham Com- mon, S.W. [on-Tyne.
1898 Dec. 6.	*LEAKE, HENRY COOKE .. ..	41 Queen's Road, Jesmond, Newcastle.
1895 Dec. 3.	*LEAVER, CYRIL D'ARCY ..	Bentworth Priors, Tower Hill, Dorking.
1893 Dec. 5.	LECOQ, SAMUEL .. .. ..	Shire Hall, Drysdale, Victoria.
1878 May 28.	LEE, EDWIN .. .. ..	Ferncliffe, Harehills Avenue, Leeds.
1890 May 20.	LEE, JOHN, M.A. ( <i>Oxon.</i> ) ..	10 Bisham Gardens, Highgate, N.

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1866 May 1.	LEECHMAN, WILLIAM CAREY ..	{ 3 Greystone Buildings, South St., Eastbourne.
1888 Feb. 7.	{ *LEES, ARTHUR EDWARD TRE- VILLION .. .. .. .. ..	{ F. A. Robinson & Co., 54 Old Broad Street, E.C.
1895 Dec. 3.	LEES, HERBERT .. .. .. ..	Gasworks, Hexham.
1883 Mar. 6.	*LEES, OSWALD CAMPBELL ..	Under Secy. to Govt., P.W.D., Simla.
1891 Mar. 3.	LEETE, WILLIAM HENRY ..	Shire Hall, Bedford.
1887 Dec. 6.	*LEFÉBURE, EDOUARD ELIE ..	Draycott, Somersetshire.
1887 Mar. 1.	LEFROY, GEORGE ANTHONY ..	{ c.o. Union Bank, Perth, Western Australia.
m 1891 Feb. 3.	*LEGROS, LUCIEN ALPHONSE ..	57 Brook Green, Hammersmith, W.
† 1888 Feb. 7.	*LEIGH, FREDERICK JAMES ..	39 Kenilworth Road, Ealing, W.
1895 Jan. 8.	LEIGH, JOHN ALFRED ..	115 Acomb Street, Manchester.
1901 Dec. 3.	{ *LEITCH, ARCHIBALD, B.Sc. (Glas.) .. .. .. .. ..	Ardmaleish, Port Glasgow.
m † 1896 Dec. 1.	*LEITCH, WILLIAM ORR, Jun. ..	Imperial Rys., Tientsin, China.
1892 Feb. 2.	{ *LE MESCRIER, HARRY HUNT PEVERIL .. .. .. .. ..	8 Leopold Rd., Ealing Common, W.
m 1887 May 24.	*LENGERKE, RUDOLPH EMIL VON	1 Victoria Street, S.W.
1882 May 23.	LESTER, EDWARD ROLLS ..	27 Greenbank Road, Plymouth.
1895 Mar. 5.	*L'ESTRANGE, FRANCIS SAMUEL	F.C.Centrales, Sagna-la-Grande, Cuba.
1891 May 12.	*LEVENTHORPE, JOHN BONFOY ..	King, King & Co., Bombay.
1900 Dec. 4.	*LEWIS, ARTHUR WILFRID ..	{ Frankley Waterworks, Northfield, Birmingham. [ham.
1888 Jan. 10.	LEWIS, FRANK BECKET ..	City Architect, Guildhall, Notting-
1892 Jan. 12.	LEWIS, HERBERT CLARK ..	{ Hean Castle, Saundersfoot, Pem- brokeshire.
1889 Dec. 5.	*LEWIS, JOHN HARRY ..	Surveyor's Office, Blackwood, Mon.
1893 Dec. 5.	*LEWIS, JOHN THORPE ..	South Indian Ry., Madras.
1900 Apr. 3.	*LEWIS, RALPH MORGAN ..	Admiralty Harbour, Dover.
1893 Jan. 10.	LEWIS, WILLIAM THOMAS, Jun.	Maplewood, Llandaff.
1902 Mar. 4.	*LEWIS-DALE, HENRY ANGLEY ..	69 Kellett Road, Brixton, S.W.
1888 Dec. 4.	*LIBBS, GEORGE HILDER ..	Wool Bank, Lytham.
1893 Dec. 5.	*LIGHTEBODY, ARTHUR EDWARD ..	{ Royal Windermere Yacht Club, Bowness, Windermere.
1902 Jan. 14.	*LIGHTFOOT, CECIL .. .. ..	35 Queen Victoria Street, E.C.
1877 Dec. 4.	LILLEY, THOMAS ISAAC ..	
1888 Feb. 7.	LILLJEGVIST, JOHAN RUDOLF ..	Bengtsfors, Sweden.
1881 Feb. 1.	*LINACRE, JOHN .. .. ..	Hay, Breconshire.
1892 Dec. 6.	LINDE, ALBERT DE .. .. ..	Tientsin, China.
1889 May 7.	{ LINDESAY, CHARLES DE LA POIRE CRAWFORD .. .. ..	Town Engineer, Salisbury Municipi- ality, Rhodesia.
1879 Dec. 2.	LINGING, FREDERICK EDWARD ..	6 Lancaster Rd., Hampstead, N.W.
1892 Apr. 5.	LINGWOOD, GEORGE .. .. ..	Waterworks, Barbados. [W.
1902 Jan. 14.	*LINSCOTT, ARTHUR BURROW ..	16 Westbourne Square, Bayswater,
1890 May 6.	LIPSCOME, HERBERT NICHOLSON ..	Loco. Dept., Midland Ry., Liverpool.
1886 Dec. 7.	LISEOAO, ALFREDO .. .. ..	Box 883, Rio de Janeiro.
1897 Mar. 2.	LISTER, FRANCIS LIVERSEDGE ..	Waterworks, Bulawayo, S. Africa.
1898 Apr. 5.	LISTER, FRANK SOMERSET ..	{ Sturtevant Engineering Co., 147 Queen Victoria Street, E.C.
1878 May 28.	LITCHFIELD, HENRY CHARLES ..	P.W.D., Kimberley, Cape Colony.
1895 Dec. 3.	LITTLE, ALBERT GEORGE ..	{ Ry. Construction Branch, P.W.D., Sydney, N.S.W.
1885 Apr. 14.	*LITTLE, CHRISTOPHER .. ..	
1889 Dec. 3.	{ *LITTLE, WILLIAM DORRINGTON BOYLE .. .. .. .. ..	P.W.D., Brisbane, Queensland.
1888 Dec. 4.	*LITTLEJOHN, HENRY .. ..	P.O., Kew, Melbourne, Victoria.
1889 Dec. 3.	LIVENS, FREDERICK HOWARD ..	Ruston, Proctor & Co., Lincoln.
1899 Dec. 5.	LIVERSEDGE, ALFRED JOHN ..	{ Clock House, Arundel Street, Strand, W.C.
1891 Feb. 3.	*LIVERSIDGE, JOHN GEORGE, R.N.	H.M. Dockyard, Malta.
1895 Apr. 2.	*LIVESLEY, ALFRED PERCIVAL ..	Apartado 566, Havana, Cuba.
1893 Feb. 7.	LIVINGSTONE, GEORGE .. ..	17 Victoria Street, S.W.



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## ASSOCIATE MEMBERS.

1892 May 3.	{ MACALLISTER, ROBERT JOHN DUDLEY .. .. .. .. }	c.o. Mrs. MacAllister, Isobars, Upper Avenue, Eastbourne.
1895 Feb. 5.	*MACANDREW, HAROLD .. .. .. ..	c.o. Cox & Co., 16 Charing Cross, S.W. [N.Z.]
1882 Apr. 4.	MCARTHUR, DUNCAN WILLIAM	County Engineer, Paeroa, Auckland.
1883 Dec. 4.	MACBEAN, MALCOLM AENEAS	Office of Public Works, Glasgow.
1887 Feb. 1.	MCBEATH, ALEXANDER GORDON	Montague Road, Sale.
1890 May 6.	MACBETH, JOHN BRUCE KING	44 Tamarind Lane, Bombay.
1881 Jan. 11.	MACBRAIR, ROBERT ALEXANDER	City Surveyor, Lincoln.
1890 May 20.	{ McCALLUM, THEOPHILUS SEP- TUMUS .. .. .. .. }	{ 52 Corporation Street, Manchester. (Drainage, Manchester. 1560.)
1898 Feb. 1.	{ MACCARTHY, JOHN LEADER, B.A., B.E. (Royal) .. .. .. .. }	Burn & Co., 7 Hastings Street, Calcutta.
1898 Dec. 6.	McCAY, SAMUEL, B.E. (Royal)	{ Dick, Kerr & Co., Bank Chambers, Corporation Street, Dewsbury.
1900 Apr. 3.	{ *MCLEAN, WILLIAM NEWSAM, M.A. (Cantab) .. .. .. .. }	1 Onslow Gardens, S.W.
1890 Feb. 4.	McCLEW, WILLIAM CHARLES	Erin View, Portpatrick, N.B.
1892 Dec. 6.	*McCOWAT, GEORGE HUTCHESON	{ 8 Regent's Park Square, Strathbungo, Glasgow.
1901 Feb. 5.	MCCROSKY, JAMES WARREN ..	{ c.o. J. G. White & Co., 22A College Hill, Cannon Street, E.C.
1875 Jan. 12.	McCULLOCH, ALEXANDER ..	25 Gayfield Square, Edinburgh.
1884 Dec. 2.	*MACDONALD, ANGUS RODERICK	King, Hamilton & Co., Calcutta.
1876 May 30.	MACDONALD, AUGUSTUS VANDZANDT	Ry. Dept., Auckland, N.Z.
1881 May 31.	MACDONALD, DONALD .. .. .. ..	{ Kimberley Waterworks Co., 20-21 Laurence Pountney Lane, E.C.
1888 Dec. 4.	MACDONALD, DONALD GRANT	Urban District Council, Rugby.
1896 Dec. 1.	MACDONALD, DUNCAN KENNEDY	D.P.W., Akyab Division, Burma.
m 1902 Jau. 14.	*McDONALD, EDWARD SLATER	{ Waterford & Rosslare Ry., Wellington Bridge, co. Wexford.
1892 Mar. 1.	*MACDONALD, MURDOCH .. .. .. ..	Nile Reservoir, Assouan, Egypt.
1894 May 1.	{ *McDONNELL, IAN ALISTER, B.A.I. (Dubl) .. .. .. .. }	E.I. Ry., Asansol, Bengal.
1897 Mar. 2.	MACDOUGALL, ALEXANDER, Jun.	Oakhurst, Westcombe Park, S.E.
1896 Mar. 3.	{ McDougall, JAMES, B.A. (Toronto) .. .. .. .. }	{ Court House, Adelaide Street East, Toronto, Canada.
1899 Jan. 10.	{ McDougall, PERCY RAYMOND, M.A. (Cantab) .. .. .. .. }	70 South Street, Greenock, N.B.
1885 Feb. 3.	MCEWEN, THOMAS SMITH ..	Govt. Rys., Cape Town, C.C.
1897 Jan. 12.	{ *MACFARLANE, RIENZI WAL- TON .. .. .. .. .. }	Duff Syndicate, Singapore, S.S.
1884 Dec. 2.	{ *MACFARLANE, THOMAS JOHN MALCOLM .. .. .. .. .. }	Box 1198, Johannesburg, Transvaal.
† 1883 Dec. 4.	MACGEORGE, LESLIE DUNCAN	High Street, Dunedin, N.Z.
1890 Dec. 2.	{ McGlashan, PATRICK BLACK- STOCK .. .. .. .. .. }	State Engineer, Selangor, S.S.
1879 Feb. 4.	MACGREGOR, ALFRED ALEXANDER	{ Glencairn, Gatley Road, Cheadle, Cheshire.
1876 May 27.	*MACGREGOR, ALEXANDER ..	{ 3 Collingham Gardens, Kensington, S.W.
1894 Jan. 9.	*MC GUIRE, JAMES CLARK ..	26 Cortlandt Street, New York, U.S.
1893 Apr. 11.	*MCINTOSH, HORACE ARTHUR ..	F. C. Central, Montevideo.
1891 Jan. 13.	{ *MACINTYRE, JAMES GILBERT STEVENSON .. .. .. .. .. }	{ c.o. J. S. Macintyre, 14 Victoria Street, S.W.
1897 Feb. 2.	MCINTYRE, JOHN TURNBULL ..	Grindlay, Groom & Co., Bombay.
m 1880 May 4.	*MACKAY, JOHN CHARLES ..	Llanwye, Hampton Park, Hereford.
1890 Feb. 6.	*MACKAY, ROBERT GORDON ..	78 Upper Tellington Park, N.
1890 Mar. 4.	McKELVIE, WILLIAM .. .. .. ..	City Surveyor, Ely.
1900 Dec. 4.	{ *MACKENZIE, ALEXANDER RODERICK .. .. .. .. .. }	37 Church Street, Inverness.
1900 Apr. 3.	MACKENZIE, ARTHUR CECIL ..	Fairlight, Edge Cliff, Sydney, N.S.W.
1890 Dec. 2.	*MACKENZIE, JAMES .. .. .. ..	Govt. Rys., Darling, Cape Colony.

Date of Election.	ASSOCIATE MEMBERS.	
1884 Dec. 2.	{ MACKENZIE OF TARBAT, <i>Sir</i> JAMES KENNETH DOUGLAS, <i>Bart.</i> .. .. .. .. ..	8 Bramham Gardens, Kensington, S.W.
1894 Feb. 6.	*MCKENZIE, LESSEL STEPHEN ..	City Engineer's Office, Bristol.
1889 Dec. 3.	MACKENZIE, THOMAS KENNETH ..	40 Chancery Lane, W.C.
1892 Dec. 6.	{ MACKENZIE - RICHARDS, PETER FELIX .. .. .. .. ..	53 Victoria Street, S.W.
1877 Mar. 6.	MACKIE, CHARLES HASTINGS ..	R.M. Ry., Ajmere, India.
1900 Dec. 4.	{ *MACKILLOP, HENDERSON, B.Sc. ( <i>Glas.</i> ) ..	{ G.W.Ry., Theatre Royal Chambers, Cardiff.
1885 May 19.	*MACKINLAY, FREDERICK ..	367 Calle Guido, Buenos Aires.
1900 Jan. 9.	{ MACKISON, JAMES WALLS, B.Sc. ( <i>Edin.</i> ) .. .. .. .. ..	8 Constitution Terrace, Dundee.
1899 Dec. 5.	{ MACKISON, WILLIAM MAXWELL, B.Sc. ( <i>Edin.</i> ) .. .. .. ..	Waterworks, Antigua, West Indies.
1880 Dec. 7.	*MACLACHLAN, ALEXANDER ..	{ 7 Laverockbank Road, Trinity, Edinburgh.
1884 Dec. 2.	*MCALLEN, RAYNES LAUDER ..	10 Lammas Park Gardens, Ealing, W.
1894 Dec. 4.	{ MACLEAN, CHARLES STEWART DOUGLAS .. .. .. .. ..	Eng.'s Office, Midland Ry., Derby.
1889 Dec. 3.	MACLEAN, CHARLES WILLIAM ..	{ Ports and Harbours Dept., Mel- bourne, Victoria.
1901 Apr. 2.	MACLEAN, JOHN .. .. .. ..	19 University Avenue, Glasgow.
1901 Feb. 5.	{ MCLEAN, JOHN ROWLAND JONES .. .. .. .. ..	{ F. C. Pacifico, Calle 25 de Mayo 277, Buenos Aires.
1893 May 2.	MCLELLAN, DUGALD .. .. ..	{ Caledonian Railway, Buchanan Street, Glasgow. [Glasgow.]
1889 May 21.	*MCLELLAN, WILLIAM TURNER ..	129 Trongate, Glasgow. (MacLellan,
1879 Feb. 4.	MACLENNAN, JOSEPH .. .. ..	{ Portugalte, Bilbao, Spain. (Mac- Lennan, Bilbao.) [Bournemouth.
1876 Dec. 5.	*MACMAHON, HENRY EUGENE ..	Leadmore, Branksome Wood Road,
1894 Feb. 6.	*MCMAHON, PETER VALENTINE ..	195 Clapham Road, S.W.
1889 Dec. 3.	McMAKING, THOMAS .. .. ..	96 St. Andrew's Road, Southsea.
1893 May 16.	McMILLAN, HENRY .. .. ..	R. M. Railway, Bandikui, India.
1894 Jan. 9.	*McMILLAN, JAMES PETER ..	{ Waterworks, Graaf Reinet, Cape Colony.
1884 May 6.	McMINN, ARTHUR CHARLES ..	Gas L. & C. Co., Kensal Green, W.
1891 Feb. 3.	{ *MCMURTRIE, GEORGE EDWIN JAMES .. .. .. .. ..	Radstock, near Bath.
1897 Dec. 7.	MCNEILL, BEDFORD .. .. ..	25A Old Broad Street, E.C.
1893 May 2.	MCNEILL, WILLIAM .. .. ..	Box 120, Kalgoorlie, W. Australia.
1897 Jan. 12.	MCNELLAN, JAMES EDWARD ..	{ Robert Hemming, Box 2, Johannes- burg, Transvaal.
1878 May 28.	MACNIE, JOHN .. .. .. ..	Gasworks, Londonderry. [Glasgow.
1896 Feb. 4.	MACPHERSON, MALCOLM .. ..	Eng.'s Office, St. Enoch Station,
1887 Apr. 5.	McPHERSON, JOHN AMBROSE ..	Waterworks Office, Bristol.
1891 May 1.	{ McQUEEN, WILLIAM TEMPLE, B.Sc. ( <i>Glas.</i> ) .. .. .. ..	Nile Reservoir, Assiout, Egypt.
1902 Feb. 4.	*MCRITCHIE, CHARLES BELL ..	Lochwinnoch, Renfrewshire.
1892 May 3.	MACRONE, GRIEVE .. .. ..	Bridge House, Chobham Rd., Woking.
1892 Apr. 5.	MACFIE, ALEXANDER STEWART ..	14 Somerset Place, Bath.
1892 May 21.	*MADDOCK, PERCY WALTER ..	{ Engineer's Office, L. & S.-W. Ry., Waterloo, S.E.
1899 Feb. 7.	*MADDOCKS, ARTHUR PERCY ..	Penorchard, near Halesowen.
1897 Dec. 10.	{ *MADELEY, JAMES WELBY, M.A. ( <i>Cantab.</i> ) .. .. ..	{ Eastbourne, Northfield Road, King's Norton, Birmingham.
1891 Jan. 13.	MAGINNIS, JAMES PORTER ..	{ 9 Carteret Street, Westminster, S.W. (P.O. Telephone—Victoria 192.)
1884 Apr. 1.	MAHONY, FRANCIS RONAN ..	{ Water Supply Office, Ballarat, Victoria.
1902 Jan. 11.	*MAIR, GEORGE PASCOE ..	Williams & Robinson, Rugby.
1891 Dec. 1.	*MAIR, JAMES .. .. ..	West Bank, Inellan, N.B.

Date of  
Election.

## ASSOCIATE MEMBERS.

1891 Apr. 1.	*MAIS, CHARLES LESLIE STEWART	10 Harbor St., Kingston, Jamaica.
1896 Dec. 1.	MAKINSON, THOMAS HENRY ..	Rothesay, Elm Road, Wembley.
1899 Jan. 10.	MALCOLM, JOHN, B.Sc. ( <i>Glas.</i> )	6 Waterloo Place, S.W.
† 1891 Dec. 1.	*MALCOLMSON, JAMES WADDELL	Apartado 13, Chihuahua, Mexico.
1901 Mar. 5.	*MALIM, JOHN CHARLES .. ..	{ Works Dept., H.M. Dockyard, Chatham.
1899 Dec. 5.	*MALLAGH, JOSEPH, B.E. ( <i>Royal</i> )	Markethill, co. Armagh.
1889 Dec. 3.	MALLALIEU, FRANCIS MAYALL	Box 715, Johannesburg, Transvaal.
1894 Dec. 4.	MALSCH, CHARLES CHRISTIAN..	Constitutional Club, S.W.
1894 Apr. 3.	MANN, GEORGE .. .. ..	10 Polmuir Road, Aberdeen.
1891 May 5.	MANN, JABEZ .. .. ..	Sevenoaks.
1886 Jan. 12.	MANN, JOHN RANDALL .. ..	{ Beaumont House, The Woodlands, Isleworth. [Melbourne, Victoria.
1883 May 1.	*MANN, JOHN RANDALL, JUN... ..	Johnstone & Tait, 80 Swanston St., (25 Baskerville Road, Wandsworth Common, S.W.
1895 May 21.	MANNING, WILLIAM ROBERT ..	Govt. Rys., Maritzburg, Natal.
1898 Dec. 6.	MANSEL, ROBERT .. .. ..	{ 36 Greencroft Gardens, Hampstead, N.W.
1897 Jan. 12.	*MANSERGH, WALTER LEAHY ..	13 Temple Street, Birmingham.
1881 Feb. 1.	*MANWARING, HENRY HARE ..	18 Southampton Buildings, Chancery Lane, W.C. (Abecedar, London. Holborn S36.)
1885 Feb. 3.	*MARCEI, ALEXANDER .. ..	City Surveyor, Carlisle.
1883 May 1.	*MARJORIBANKS, DUDLEY SINCLAIR	H.M. Dockyard, Chatham.
1893 Jan. 10.	*MARKBY, WALTER .. .. ..	5 Prince's Parade, Muswell Hill, N.
1892 Dec. 6.	{ *MARKS, EDWARD CHARLES	Park View, Croom's Hill, Greenwich, S.E.
	ROBERT .. .. ..	{ Waterworks, Higham Hill Ferry, Walthamstow, N.E.
t † 1884 Mar. 4.	*MARKS, GEORGE CROYDON ..	G. N. Ry., Loco. Dept., Doncaster.
1887 Apr. 5.	*MARKS, HENRY CAPNER .. ..	Waterworks Office, Sheffield.
1901 Dec. 3.	MARRIAN, ARTHUR EDWARD ..	Chalet des Grands-Vignes, Sathonay, Ain, France.
1887 Feb. 1.	*MARRIAN, FREDERIC YORK ..	71 Temple Row, Birmingham.
1894 Dec. 4.	*MARRINER, WILLIAM WRIGHT	4a St. Andrew Square, Edinburgh.
† 1898 Apr. 5.	MARSH, CHARLES FLEMING ..	Main Drainage Works, Norwich.
1889 Feb. 5.	*MARSH, DOUGLAS EARLE ..	44 High Street, Sutton Coldfield.
1887 May 3.	{ *MARSH, LEONARD SWAINE	21 Queen's Road, Beckenham, S.E.
	MORTLOCK .. .. ..	G.I.P. Ry., Bombay.
1886 Dec. 7.	*MARSHALL, HERBERT AUGUSTUS	Avouside House, Keynsham, Bristol.
1889 May 7.	MARSHALL, JENNER GUEST ..	(Surveyor's Office, 215 Balham High Road, S.W.
1902 Jan. 14.	*MARSHALL, JOHN SCOTT .. ..	New Filter Beds, Lambeth Waterworks, Long Ditton, Surrey.
1893 Mar. 7.	MARSHALL, LAUNCELOT PAUL	25 Victoria Street, S.W.
1888 May 15.	MARSTON, CHARLES FREDERICK	City Eng.'s Office, Leeds.
1892 May 24.	*MARSTON, EDWARD HOWIS ..	Hanwell, W.
1884 Feb. 5.	MARSTON, GEORGE DALLAS ..	3 Esplanade, Calcutta.
1893 Dec. 5.	MARTEN, HENRY .. .. ..	17 Ranelagh Villas, Hove, Sussex.
1884 May 27.	*MARTEN, HENRY JAMES ..	{ 3 Bayham Road, Rusthall Avenue, Turnham Green, W.
1891 May 5.	*MARTEN, HUBERT BINDON ..	Nizam's Ry., Secunderabad, India.
1898 Apr. 5.	MARTIN, ARTHUR JOHN .. ..	New Barnet, Herts.
1896 Dec. 1.	*MARTIN, ERNEST BRANWHITE	{ Aguas Corrientes, Rosario de Santa Fé, Argentina. [Berks.
1893 Apr. 11.	*MARTIN, ERNEST METEOR ..	
1901 Dec. 3.	MARTIN, ERNEST SYDNEY ..	
1878 Feb. 5.	MARTIN, GEORGE .. .. ..	
1893 Dec. 5.	MARTIN, GEORGE HENRY ..	
1887 Dec. 6.	MARTIN, JOSEPH ERNEST ..	
1877 Mar. 6.	MARTIN, THOMAS HENRY ..	
1886 May 18.	MARTIN, WILLIAM JAMES ..	
1888 Dec. 4.	*MARTINDALE, WARINE BEN HAY	Haistwell House, Sunningdale,

Date of  
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## ASSOCIATE MEMBERS.

1890 Dec. 2.	*MARTINEAU, HOWARD .. ..	{ Thistlehurst, Westerfield Road , Ipswich.
1893 Mar. 7.	*MARTIN-LEAKE, RICHARD .. ..	Marshalls, Ware, Herts.
1888 Dec. 4.	*MARTIN-LEAKE, STEPHEN .. ..	Marshalls, Ware, Herts.
1880 Dec. 7.	MARTYN, GEORGE VALENTINE .. ..	Consulting Eng. for Rys., Rangoon.
1899 Dec. 5.	MASON, ARTHUR JOSEPH .. ..	St. Mary's Hall, Coventry.
1887 May 3.	MASON, CHARLES .. .. ..	Foster & Pearson, Beeston, Notts.
1897 Mar. 2.	MASON, CHARLES GEORGE .. ..	Boro' Surveyor, Guildford.
1898 Dec. 6.	MASON, WILLIAM, B.Sc. ( <i>Victoria</i> ) .. ..	7 Bridge Street, Heywood, Lanes.
1877 Dec. 4.	*MASON, WILLIAM JOSHUA .. ..	Woodville, Lovelace Road, Surbiton.
1881 May 31.	MASSEY, JOHN DUNHAM .. ..	8 Princes Street, E.C.
1888 Apr. 10.	MASIE, FRANK .. .. ..	Tetley Ho., Kirkgate, Wakefield.
1901 Apr. 2.	*MASTER, ROBERT CREASY .. ..	Master & Ashcroft Bros., Ramah, via Wingate, New Mexico, U.S.
1884 Feb. 5.	MASTERMAN, CHARLES EDWARD .. ..	28 Victoria Street, S.W.
1896 May 5.	MATHER, SAMUEL .. .. ..	Victoria Road, Surbiton.
m † 1896 Dec. 1.	*MATHESON, EDWARD EWING .. ..	22 Normanton Terrace, Derby.
1892 May 24.	MATHEW, CHARLES .. .. ..	Boro' Surveyor, Ryde, I.W.
1900 Feb. 6.	MATHEWS, CHARLES JAMES .. ..	Dept. of Mines, Boiler Inspection Branch, Perth, Western Australia.
1867 Apr. 2.	MATHEWS, EDWARD DAVIS .. ..	337 Dashwood House, E.C. (Raftsmen, London.)
1893 Jan. 10.	MATHEWS, GEORGE SOMERS .. ..	District Council, Dorking.
1895 Dec. 3.	{ *MATTHEWS, ARTHUR BRINCKEN, B.A. ( <i>Cantab.</i> ) .. .. ..	24 Sistova Road, Balham, S.W.
1893 Dec. 5.	*MATTHEWS, JAMES NEWSOME .. ..	Boro' Engineer's Office, Salford.
1877 Mar. 6.	{ *MATTHEWS, WILLIAM MACDONALD .. .. ..	22 Broadwater Down, Tunbridge Wells.
1888 May 1.	*MATTOX, ALVARO GOMES DE .. ..	98 Rua da Saude, Rio de Janeiro.
1894 Mar. 6.	MAULDIN, PAMPLIN JOHN .. ..	125 Boleyn Rd., Upton, West Ham, E.
1902 Jan. 14.	{ *MAURICE, CHARLES JAMES KINDERSLEY .. .. ..	Highways and Bridges Dept., Baseler, Evesham.
1894 May 22.	*MAWSON, MATTHEW .. .. ..	Idalia, Sternhold Avenue, Streatham Hill, S.W.
1885 Apr. 14.	*MAXTED, GEORGE VINCENT .. ..	Ivy Cottage, Willerby, Hull.
1902 Apr. 8.	{ MAXWELL, JAMES THOMSON, B.Sc. ( <i>Edin.</i> ) .. .. ..	East Indian Ry., Dhanbad, India.
1900 Mar. 6.	MAXWELL, WILLIAM HENRY .. ..	Town Hall, Tunbridge Wells.
1885 Mar. 3.	*MAY, CHARLES RAMSDEN .. ..	Orwell Lodge, Erith, Kent.
1876 Mar. 7.	MAY, JAMES GEORGE .. .. ..	{ 72 Bonham Manor Road, Thornton Heath, S.E.
1892 May 3.	*MAY, JOHN .. .. ..	37 Granville Park, Lewisham, S.E.
1884 May 27.	MAY, THOMAS .. .. ..	Gasworks, Richmond, Surrey.
1893 Dec. 5.	MAY, WALTER .. .. ..	Pulsometer Eng. Co., Nine Elms Ironworks, Reading.
1890 Jan. 14.	*MAY, WALTER EDWARD .. ..	Sunnyside, Alsager, Stoke-on-Trent.
1866 Mar. 6.	{ MAYER, EDWARD ADOLPHUS FENWICK .. .. ..	
1893 Jan. 10.	*MAYES, ARTHUR ERNEST .. ..	P.W.D., Colombo, Ceylon.
1899 Dec. 5.	*MAYES, GEORGE RICHARD .. ..	Wynnstay Collieries, Rumpon.
1889 Dec. 3.	MAYLOR, WILLIAM, JUN. .. ..	{ Hanley Grange, Hanley Castle, Worcestershire.
1896 May 6.	{ *MAYNARD, JOHN CLARKSON PHILLIPS .. .. ..	Bank of New Zealand, Wellington, N.Z.
1893 Jan. 10.	MEABY, MICHAEL CHARLES .. ..	88 Chancery Lane, W.C.
1876 Jan. 11.	MEAD, ARTHUR .. .. ..	{ 1 Florence Villas, Grange Park Road, Leyton, E.
1871 Mar. 7.	MEAGHER, JAMES JOSEPH .. ..	St.Lucia, West Indies. [House, E.C.
1896 Feb. 4.	MEDLICOTT, JOHN HENRY .. ..	c.o. Macfadyen & Co., Winchester
1901 Jan. 8.	MEGAW, DAVID, B.E. ( <i>Royal</i> ) .. ..	County Surveyor's Office, Belfast.
1883 May 29.	MEILBEEK, JOSEPH .. .. ..	13 Victoria Street, S.W.
1894 Mar. 6.	{ *MEISCHKE-SMITH, WILLIAM, M.Sc. ( <i>Victoria</i> ) .. ..	Anglo-Dutch Gas Traction Co., 8 Doelenstraat, Amsterdam.

Date of  
Election.

## ASSOCIATE MEMBERS.

1897 Apr. 6.	*MELDRUM, JAMES .. . .	Shire Engineer, Numurkah, Victoria.
1893 May 16.	{ MELLOR, THOMAS EDWARD .. . . WHEATLEY .. . .)	Withington, Boyne Park, Tunbridge Wells.
1894 Feb. 6.	{ MELVILL, EDWARD HARKER .. . . VINTCENT .. . .)	c.o. Consolidated Goldfields of S. Africa, Standard Bank Buildings, Cape Town, C.C.
1895 May 21.	MENDONCA, BIANOR SILVANODE	Escriptorio da Linha, E. de F. Central, Rio de Janeiro.
1899 Apr. 11.	MENMUIR, ROBERT WILLIAM ..	Town Hall, Woodstock, Cape Colony.
1882 May 2.	*MENNEER, RICHARD ROBERT ..	P.W.D., Western Nara, Sind, India.
1874 Feb. 3.	MENZIES, JOHN .. . . .	Menai Bank, Carnarvon.
1883 Dec. 4.	*MERCER, GEORGE BARKER ..	{ 38 Chatham Street, Liverpool. (Arrenpee, Liverpool.)
1889 Dec. 3.	MERCER, WILLIAM ALEXANDER	{ 85 London Wall, E.C. (Flysch, London. London Wall, 406.)
1893 May 2.	MERCIECA, VINCENZO .. . .	San Paolo 232, Valetta, Malta.
1891 May 5.	MEREDITH, WILLIAM MAXSE ..	2 Whitehall Gardens, S.W.
1898 Dec. 6.	MERRICKS, FRANK .. . . .	{ 5 & 6 Great Winchester Street, E.C. (Docimology, London.)
1891 Apr. 7.	MESSANGER, THOMAS .. . .	Greeba, Matham Road, E. Molesey.
1895 Apr. 2.	{ MESSER, WILLIAM ALFRED .. . . SABINE .. . . .)	9 Cambridge Road, Lee, S.E.
1892 Feb. 2.	METCALFE, JOHN WILLIAM ..	Town Surveyor, Newmarket.
1888 May 15.	*METCALFE, ARTHUR WHARTON	Bank Buildings, Corn Street, Bristol.
1896 Dec. 1.	METZGER, GUSTAVUS FERDINAND	City Electrical Engineer, Manchester.
1901 Feb. 5.	MEYRICK, WILLIAM HENRY ..	{ Engineer's Office, L. & S. W. Ry., Waterloo, S.E. [Chili.
1897 Mar. 2.	MICHAEL, FREDERICK .. . .	Tarapaca Waterworks Co., Iquique,
1889 Jan. 8.	*MIDDLEMIST, HENRY WARD ..	{ F. I. Middlemist, Honiton School, Honiton, Devon.
1900 Dec. 4.	{ MIDDLETON, JOHN HARRISON .. . . B.A.I. (Dubl.) .. . . .)	170 Pembroke Road, Dublin.
1892 Feb. 2.	MIDDLETON, RICHARD HENRY	Borough Engineer, Walsall.
m 1899 Dec. 5.	*MIDDLETON, WILLIAM .. . .	{ Christy Brothers and Middleton, Chelmsford.
1892 Dec. 6.	MILBOURNE, ROBERT JOHN ..	King Street, Wellington, Salop.
1893 Mar. 7.	*MILDRED, CHARLES .. . .	c/o. H.S. King & Co., 65 Cornhill, E.C.
1902 Apr. 8.	*MILLAR, ALEXANDER .. . .	17 Victoria Street, S.W.
1892 Dec. 6.	MILLER, ERNEST .. . . .	6 Priueess Street, Leicester.
1893 May 2.	MILLER, HARRY WILLIAM ..	Box 1366, Johannesburg, Transvaal.
1883 Feb. 6.	MILLER, HENRY .. . . .	Surveyor, Felling, co. Durham.
1892 Dec. 6.	*MILLER, HENRY MORLEY ..	{ 3 Grassendale Rd., Cressington, Liverpool.
1894 Dec. 4.	MILLER, JOHN EZRA .. . .	17 Fawcett Street, Sunderland.
1892 Dec. 6.	*MILLER, ROBERT FAULDS ..	109 Bath St., Glasgow.
1894 May 1.	*MILLER, WILLIAM AKERMAN ..	Colonial Engineer, Dominica.
1881 Dec. 6.	MILLHOUSE, WILLIAM .. . .	Waterworks, Scarborough.
1895 May 5.	MILLING, HUGH .. . . .	Roseneath, Malahide.
1895 May 21.	MILLNER, WILLIAM JAMES ..	D.P.W., Newcastle, N.S.W.
1890 Apr. 1.	MILLS, ARTHUR EDWIN ..	Marietta, Sandy Cove, co. Dublin.
1893 Dec. 5.	MILLS, CHARLES WALTER ..	F. C. del Sud, Buenos Ayres.
1898 Dec. 6.	MILLS, FRANK .. . . .	Enggor, Kuala Kangsar, Perak, S.S.
1892 Dec. 6.	*MILLS, GEORGE PILKINGTON ..	The Woodlands, Beeston, Notts.
1885 Dec. 1.	*MILLS, JOHN CHARLES .. . .	King, King & Co., Bombay.
1884 Feb. 5.	{ *MILLS, WILLIAM BURTON .. . . SAVILLE .. . . .)	L. C. & D. Ry., Swanley.
1894 Dec. 4.	MILNER, CHARLES SIDDALL ..	1 Pimlico Road, S.W.
1900 Dec. 4.	{ *MILNER, HAROLD WOOD .. . . M.Sc. (Victoria) .. . . .)	Raglan Place, Victoria Road, West Hartlepool.
1870 Apr. 5.	MILNER, HENRY ERNEST ..	{ Dulwich Wood, Norwood, S.E. (Paysagiste, London.)
1888 Dec. 4.	*MILNES, GEORGE PERCIVAL ..	Town Surveyor, Stroud, Glos.

Date of Election.	ASSOCIATE MEMBERS.
1882 Dec. 5.	MINAMI, KIYOSHI .. .. .. Sanyo Ry., Hiogo, Japan.
1881 Apr. 5.	MINCHIN, JOHN BIRCH .. .. J. D. Campbell & Co., Taena, Chili.
1893 Jan. 10.	MITCHELL, ERNEST HERBERT .. { c/o. Jessop & Appleby Bros., 22 Wallbrook, E.C.
1901 Apr. 2.	MITCHELL, LEWIS .. .. .. { Peel Chambers, Market Place, Bury, Lanes.
1886 Feb. 2.	MITCHELL, THOMAS .. .. .. Calcutta.
1888 May 15.	MITCHELL, THOMAS WILFRED .. Howe .. .. .. Mining Offices, Eldon St., Barnsley.
1891 Jan. 13.	MITCHESON, PERCY EDWARD .. Durban, Natal.
1895 Mar. 5.	{ MITRA, RAJESVARA, B.A. ( <i>Cal-</i> <i>cutta</i> ) .. .. .. P.W.D., Nagpur, C.P., India.
1882 Dec. 5.	MITRE Y VEDIA, EMILIO .. Buenos Aires.
1896 Apr. 14.	{ MITTELHAUSEN, CHARLES .. JULIUS ALFRED .. .. .. Electric Tramways & Lighting Co., Cork.
1896 May 19.	MITTON, ARTHUR DURY .. Oakwood, Walkden, Bolton.
1900 Feb. 6.	*MOBERLY, JAMES EDWARD .. Beechcroft, London Road, Norbury.
1883 May 29.	{ MOLECEY, CHARLES SIMPSON .. TWIGGE .. .. .. Nelson's Wharf, Lambeth, S.E.
1881 May 31.	MOLINE, WILLIAM .. .. .. 19 The Avenue, Clifton, Bristol.
1896 Dec. 1.	*MOLLER, WARDEN APPLEBY .. Newchwang, China.
1895 Dec. 3.	MOLLOY, HARRY JAMES .. Loco. Dept., Rys., Insein, Burma.
1902 Feb. 4.	*MOLONY, FREDERICK ARTHUR .. Bengal-Nagpur Railway, Calcutta.
1883 Feb. 6.	{ MOLONY, JOHN STORAN, .. .. .. Pioneer Mill Co., Lahaina, Maui, Hawaiian Islands.
1893 Feb. 7.	MONASH, JOHN, M.C.E. ( <i>Melb.</i> ) .. .. .. 49 Elizabeth St., Melbourne, Victoria.
1880 May 4.	*MONCKTON, MARMADUKE JOHN .. c/o H. S. King & Co., 65 Cornhill, E.C.
1894 Dec. 4.	*MONCUR, GEORGE, B.Sc. ( <i>Edin.</i> ) .. G. N. of Scotland Ry., Aberdeen.
1886 Feb. 2.	MONCUR, JAMES .. .. .. Chief Surveyor of Roads, Stafford.
1893 Dec. 5.	MONCUR, JOHN WILLIAM .. Borough Engineer, Sunderland.
1898 Apr. 5.	{ MONEY-KENT, JULIAN MONEY .. VERNON .. .. .. Lime Tree House, Twickenham, S.W.
1892 Apr. 5.	MONIES, ALFRED .. .. .. Grindlay & Co., Calcutta.
1900 Dec. 4.	{ *MONK, JAMES EDMONSON, .. .. .. B.Sc. ( <i>Victoria</i> ) .. .. .. Grindlay & Co., Calcutta.
1896 May 5.	MONKHOUSE, HAROLD JOHN .. London & County Bank, Hastings.
1886 Apr. 6.	MONSON, HENRY .. .. .. Vestry Hall, Piccadilly, W.
1896 Dec. 1.	*MONTAGU, DRAGO .. .. .. Supt. of Telegraphs, Colombo, Ceylon.
1899 Apr. 11.	{ MONTGOMERY, HERBERT EL- .. PHINSTONE .. .. .. 42 Belgrave Road, S.W.
1895 Dec. 3.	*MOON, EDWIN JOHN .. .. .. { A. Kranss & Son, Lawrence Hill, Bristol.
1900 Dec. 4.	{ *MOON, FREDERICK WILLIAM, .. .. .. B.E. ( <i>Royal</i> ) .. .. .. Engineer's Office, N.E. Ry., York.
1897 Dec. 7.	{ *MOORBY, WILLIAM HENRY, .. .. .. M.Sc. ( <i>Victoria</i> ) .. .. .. II.M. Dockyard, Port Royal, Jamaica. [W.
1876 Mar. 7.	*MOORE, ALEXANDER WILLIAM .. G. W. Ry., Eng.'s Office, Paddington,
1894 May 1.	*MOORE, ARTHUR PILCHER FORD .. 9 Lammes Park Gardens, Ealing, W.
1894 May 1.	{ MOORE, CHARLES ELLIOTT, .. .. .. 36. Mutual Buildings, Durban, Natal.
1899 Jan. 10.	{ MOORE, COURtenay EDWARD, .. .. .. 8 Windsor Terrace, Kingstown, Ireland.
1887 Mar. 1.	MOORE, CUNINGHAME WILSON .. .. ..
1886 Dec. 7.	*MOORE, EDWIN HENRY .. .. .. { 20 Baskerville Road, Wandsworth Common, S.W.
1894 May 1.	{ MOORE, ERNEST SHERWOOD .. .. .. WOOLLARD .. .. .. Electric Construction Corporation, Wolverhampton.
1895 Apr. 2.	*MOORE, GODFREY WILSON .. South Indian Ry., Vellore, Madras.
1891 Dec. 1.	*MOORE, KENTISH .. .. .. Box 7, Johannesburg, Transvaal.
1899 Jan. 10.	{ *MOORE, SYDNEY WILLIAM, .. .. .. B.A. ( <i>Dubl.</i> ) .. .. .. Engineer's Office, G. W. Ry., Pad- dington, W.
1888 Mar. 6.	MOORE, WILLIAM JAMES PERRY .. { 147 Queen Victoria St., E.C. (Nut-megged, London. Bank 509.)

Date of  
Election.

## ASSOCIATE MEMBERS.

1891 Dec.	1.	MOORHEAD, ROBERT BRADSHAW, B.A.I. ( <i>Dubl.</i> ) .. ..	5 Pelsin Road, Shanghai, China.
m 1896 Dec.	1.	*MORELAND, RICHARD, JUN. .. ..	25 Old Street, E.C.
1892 Feb.	2.	MORGAN, ARTHUR HENRY .. ..	{ Airshayes, Wellesley Road, Gun- nerybury, S.W.
1899 Jan.	10.	MORGAN, EDWARD LLEWRWG .. ..	Boro' Engineer, Bolton.
1899 Apr.	11.	MORGAN, FRANK .. .. ..	{ Norwich Union Chambers, Chamber- lain Square, Birmingham.
1889 Dec.	3.	MORGAN, WILLIAM BARLOW .. ..	{ Mannamead, Dorchester Rd., Wey- mouth.
1899 Dec.	5.	{ *MORGAN, WILLIAM RICHARD WILMOT .. .. .. ..	P.W.D., Katugastotte, Ceylon.
1889 Dec.	3.	{ *MORIARTY, HENRY ALLASTER ORPEN .. .. ..	Roscrea Priory, Goulburn, N.S.W.
1889 Mar.	5.	*MORLEY, JOHN GEORGE .. ..	Town Hall, West Ham, E.
1891 Dec.	1.	{ MORONY, HENRY VEREKER LLOYD, B.E. ( <i>Queen's</i> ) .. ..	Harbour Engineer, Limerick.
1883 Feb.	6.	MORRIS, EDMUND LEGH .. ..	New River Works, Finsbury Park, N.
1900 Apr.	3.	*MORRIS, EDWARD HAROLD .. ..	34 Cecil Street, Lytham, Lancs.
1889 Dec.	3.	*MORRIS, FRANCIS SANDERS .. ..	4 Trafalgar Square, W.C.
1894 Dec.	4.	MORRIS, GEORGE EDWIN .. ..	{ District Council, Cowbridge, Gla- morgan.
1889 Dec.	3.	MORRIS, PERCY MACDONALD .. ..	Ipplene, The Avenue, Bickley.
1901 Dec.	3.	*MORRIS, WILLIAM GERALD .. ..	47 Spital Street, Dartford.
1888 May	15.	*MORRIS, WILLIAM ROBERT .. ..	{ G. W. Ry., Acton Turville, Chippen- ham.
1894 May	22.	*MORRIS, WILLIAM VANE .. ..	Entebbe, Uganda.
1899 Dec.	5.	MORRISON, JAMES SMITH .. ..	11 Beresford Terrace, Dover.
1898 Apr.	5.	*MORRISON, RALPH PERCY .. ..	15 Hyde Park Terrace, Leeds.
1899 Apr.	11.	MORRISON, WILLIAM, B.Sc. ( <i>Glas.</i> ) .. ..	7 Maurice Place, Edinburgh.
m 1901 Mar.	5.	*MORTON, ANDREW HOME .. ..	130 Bath Street, Glasgow.
1894 Dec.	4.	*MORTON, HUGH JAMES .. ..	128 Wellington Street, Glasgow.
1894 Dec.	4.	MORTON, OSWALD GORDON .. ..	D.P.W., Parramatta, N.S.W. [E.C.
1890 Mar.	4.	*MOSS, HENRY ALLAN .. ..	c/o H. S. King & Co., 65 Cornhill,
1892 Dec.	6.	{ MOULD, GEORGE ALEXANDER HUTCHINGS .. .. .. ..	Milliken Bros., 11 Broadway, New York, U.S.
1894 Dec.	4.	MOULDING, THOMAS .. .. ..	City Surveyor's Office, Exeter.
1894 Feb.	6.	*MOUNT, JOHN CHAPMAN .. ..	Town Hall, Lancaster.
1893 Jan.	10.	MOUNTAIN, ARTHUR HENRY .. ..	Withington, near Manchester.
1902 Feb.	4.	MOUNTFIELD, JAMES .. .. ..	{ 54 Balmoral Road, New Brompton, Keut.
1901 Feb.	5.	*MOWAT, MAGNUS, JUN. .. ..	Millwall Docks, E.
1902 Apr.	8.	MOYLAN, WILLIAM MORGAN .. ..	{ 17 Collingham Place, South Kens- ington, S.W.
1877 Mar.	6.	*MOYLE, SAMUEL .. .. .. ..	Towan, Nightingale Road, Guildford.
1891 Dec.	1.	MUDIE, JAMES ROBERT .. ..	P.W.D., Hong Kong.
1889 Feb.	5.	*MUIR, EDWARD LESLIE ROBERT .. ..	Eng.'s Office, Midland Ry., Derby.
1897 Dec.	7.	MUIR, JOHN .. .. .. ..	P.W.D., Perth, Western Australia.
1896 Feb.	4.	MUIRHEAD, WILLIAM .. .. ..	Pethick Brothers, Vauxhall Bridge,
1890 Dec.	2.	MULLER, JOHAN VIGGO SIGVALD .. ..	Newquay, Cornwall. [S.W.
1886 Feb.	2.	*MULLIGAN, THOMAS NORTH .. ..	81 James Street, Dublin.
1902 Feb.	4.	*MULLINGS, TOM OSBERN .. ..	{ Electric Supply Co., Mansourah, Egypt.
1885 Feb.	3.	MUMFORD, ARTHUR GEORGE .. ..	Colchester.
1885 May	19.	MUNCE, JAMES .. .. .. ..	City Surveyor's Office, Belfast. [S.W.
m 1872 May	7.	*MUNDAY, HENRY THOMAS .. ..	County Council, Spring Gardens,
1890 Dec.	2.	MUNN, ROBERT ANDREW .. ..	5 Winn Road, Southampton.
1894 Jan.	9.	{ MUNRO, JOHN MACINTOSH MACKAY .. .. .. ..	136 Bothwell Street, Glasgow.
1894 Dec.	4.	MURAKAMI, KIYOICHI .. .. ..	{ 14 Wakamatsu-cho, Kitaku, Osaka Japan. [tralia.
1892 Mar.	1.	MURCOTT, DANIEL .. .. ..	Florence Street, West Perth, W.Aus-

Date of Electon.	ASSOCIATE MEMBERS.
1867 May 7.	MURDOCH, GEORGE BROWN .. Attonrig, Ferry Rd. West, Edinburgh.
1902 Apr. 8.	MURPHY, CHARLES FRANKLIN .. 15 Mawdsley Street, Bolton.
1890 Jan. 14.	*MURRAY, CHARLES .. .. ..
1893 Jan. 8.	*MURRAY, GEORGE THOMAS .. {Roads Dept., New Plymouth, New Zealand.
1883 Feb. 6.	MURRAY, JOHN .. .. .. Caixa 403, Rio de Janeiro.
1898 Dec. 6.	MURRAY, LEE, M.C.E. (Mell.) {Siemens Brothers & Co., 12 Queen Anne's Gate, Westminster, S.W.
m 1900 Dec. 4.	{*MURRAY, ROBERT ALAN} Govt. Rys., Sterkstroom, Cape Colony.
1890 Apr. 1.	ERSKINE .. .. .. Salem, Madras.
1886 Dec. 7.	*MUSGRAVE, JAMES .. .. .. Rosario Ry., Avenida de Mayo 748, Buenos Aires.
1896 Dec. 1.	MUSKER, CHARLES .. .. .. Tuebrook, Liverpool. [C.C.
1896 Dec. 1.	*MYBURGH, HENRY HAWKINS .. Pauling & Co., Box 713, Cape Town,
1887 Mar. 1.	MYLNE, HENRY CHARLES .. Staverton, Wokingham, Berks.
1890 Mar. 4.	MYRES, JOHN JAMES .. .. .. 15 Chapel Street, Preston.
1891 Mar. 3.	*NAPIER, ARCHIBALD SCOTT .. King, King & Co., Bombay.
1888 Jan. 10.	{*NAPIER, Hon. EDWARD HERBERT SCOTT .. .. .. } Deputy Consulting Engineer for Railways, Lucknow, India.
† 1899 Dec. 5.	{*NARDIN, ERNEST WILLOUGHBY, B.E. (Sydney) .. .. .. } Chatswood, New South Wales.
1887 Dec. 6.	NASH, ALFRED GEORGE, B.Sc. (Edin.) .. .. .. {Greenvale House, Mile Gully P.O., Jamaica.
1895 Mar. 5.	NASH, RICHARD WILKINSON .. 9 Bridge St., Westminster, S.W.
1893 Dec. 5.	NATH, BISHAMBAR .. .. .. P.W.D., Punjab.
1884 May 27.	NATHAN, BENJAMIN ARTHUR .. 31 Dorset Square, N.W. [Kent.
1900 Apr. 3.	NAYLOR, CHARLES HENRY .. 48 Wellington Road, Old Charlton,
† 1892 Dec. 6.	NAYLOR, WILLIAM .. .. .. 16 Walton's Parade, Preston.
1900 Dec. 4.	NAZ, JOSEPH LOIS .. .. .. Mauritius.
1878 Feb. 5.	*NEAL, HERBERT .. .. .. The Hill, Laverstock, Salisbury.
1889 Jan. 8.	NEALL, FRANK FEARNE .. Dock Office, Leith, N.B.
1898 Jan. 11.	{NEELY, ALEXANDER JAMES, B.A.I. (Dubl.) .. .. .. Watson & Co., Caleutta.
1902 Feb. 4.	{NEILSON, WILLIAM HARDCASTLE, B.A.I. (Dubl.) .. .. .. Sir John Jackson, Keyham Dock-yard Extension, Devonport.
1895 Dec. 3.	*NELSON, GEORGE .. .. .. Russell Chambers, King St., S. Shields.
1885 May 5.	NELSON, HENRY .. .. .. King, King & Co., Bombay.
1896 Jan. 14.	NETO, JOSEPH GOMES .. {12 Rua Barao de Victoria, Peru-nambuco.
1891 May 5.	NETTLETON, HUGH .. .. .. Town Hall, Weston-super-Mare.
1888 Dec. 4.	*NEVILL, PERCY .. .. .. Harbour Works, Douglas, I. of Man.
1891 May 12.	NEVINS, HUBERT PENROSE .. {Board of Works, Rialto, Collins Street, Melbourne, Victoria.
1894 May 22.	NEWBIGGING, JOHN GIBSON .. Gas Department, Manchester.
1894 Jan. 9.	NEWBIGGING, WILLIAM .. 5 Norfolk Street, Manchester.
1899 Apr. 11.	NEWHAM, JOHN THOMAS .. 11 Victoria Street, S.W.
1894 May 22.	NEWINGTON, FRANK ALFRED .. 4 Osborne Terrace, Edinburgh.
1895 Dec. 3.	NEWLANDS, ALEXANDER .. Highland Ry., Inverness.
m † 1874 May 12.	*NEWMAN, JOHN .. .. .. {Northfleet House, Market Place, Brentford.
1890 May 6.	NEWMAN, JOHN THOMAS .. 235 Clifton Road, Rugby.
1893 May 16.	*NEWMAN, REGINALD WILLIAM .. {John Aird & Son, New River Water-works, Hanworth, Middlesex.
1891 May 5.	*NEWMARCH, HERBERT SMALES .. Government Ry., Singapore, S.S.
1892 Feb. 2.	*NEWMARCH, LEONARD JOHN .. Govt. Rys., Tientsin, China.
1891 Dec. 1.	NEWSON, FREDERIC WALTER .. Shewan, Tomes & Co., Shanghai.
1893 May 2.	NEWTON, ARTHUR EDGAR .. Bombala, Monaro, N.S.W.
1899 Jan. 10.	{*NEWTON, EDWIN BENNETT BRIERLEY .. .. .. } Town Hall, Paddington, W.

Date of  
Electon.

## ASSOCIATE MEMBERS.

1868 May 5.	NEWTON, SAMUEL BARTON ..	Bhowalee, Naini Tal, N.W.P., India.
1887 May 24.	NEWTON, WILLIAM JOSEPH ..	Boro' Surveyor, Accrington.
1877 Feb. 6.	NICE, ALFRED SLATER ..	Carlton Hall, nr. Newmarket.
1888 Feb. 7.	*NICHOLL, ARTHUR EDWARD ..	The Rectory, Streatham, S.W.
1896 Dec. 1.	*NICHOLL, JOHN CLARIDGE ..	11 Shaw Rd., Heaton Chapel, Lanc.
1896 Dec. 1.	NICHOLLS, JOHN SAMUEL ..	195 St. Leonard's Road, Bromley.
1890 Dec. 2.	*NICHOLS, ALBERT EDWARD ..	{Boro' Engineer, Folkestone. (Surveyor, Folkestone.)
1886 Dec. 7.	NICHOLS, HARRY BERTHAM ..	11 Victoria Street, S.W.
1897 Apr. 6.	NICHOLSON, JOHN RUMNEY ..	Drywood Hall, Worsley, Manchester.
1890 Dec. 1.	NICHOLSON, WALTER SERY ..	30 Great George Street, S.W.
1893 Dec. 5.	*NICOLLS, ARTHUR OLIVER ..	The Larches, Worlingham.
1897 Jan. 12.	{*NICOLLS, EDWARD HUGH DYNELEY .. .. ..	P.W.D., Cyprus.
1896 Dec. 1.	NIMMO, WILLIAM HENRY ..	Town Hall, Melbourne, Victoria.
1888 Dec. 4.	NISBET, THOMAS .. ..	Public Works Office, Glasgow.
1902 Apr. 8.	*NIVEN, JAMES JUST .. ..	Main Drainage Office, Cape Town, C.C.
1897 Apr. 6.	NIXON, FREDERICK ALBERT ..	{21 Chatsworth Road, West Norwood, S.E. [Colony.]
1872 Dec. 3.	*NOAD, WELLESLEY INNES ..	District Engineer, De Aar, Cape
1899 Apr. 11.	NOLAN, JOHN JOSEPH ..	{Dr. Hatton, 95 Chapel Street, Leigh, Lancs.
1899 Dec. 5.	{*NOLAN, THOMAS RICHARD, B.E. (Royal) .. .. ..	Assam-Bengal Ry., Marlongdisa, India.
1888 Jan. 10.	NORDENFELT, PETER .. ..	Rue Auber 8, Paris.
1886 Apr. 6.	NORMAN, WALTER .. .. ..	{Robert Stephenson & Co., Darlington.
1881 Apr. 5.	NORMANVILLE, WILLIAM DE ..	Boro' Engineer, Leamington.
1890 Dec.	NORRINGTON, JAMES PALMER ..	3 Trent Road, Brixton Hill, S.W.
1897 Apr. 6.	NORRIS, WILLIAM .. .. ..	Coulthard & Co., Preston.
1885 Feb. 3.	*NORTH, JOHN .. .. ..	Oakley House, Eye, Suffolk.
1897 Dec. 7.	NORTHCROFT, GEORGE ANDREW ..	Bloemfoutein, Orange River Colony.
1894 Dec. 4.	*NORTON, ARTHUR .. .. ..	104 Stanmore Road, Edgbaston.
1901 Mar. 5.	NOWELL, ARTHUR BERRY ..	Cherra Poonjee, Khasi Hills, India.
1894 Jan. 9.	*NOWLAN, JOHN .. .. ..	Newport, Mon.
1893 May 2.	{NOWROJI, HORMUSJI, B.E. (Madras) .. .. ..	Asst. Sanitary Eng. to Govt., Madras.
1876 Feb. 1.	NUBAR, H. E. BOGHOS, <i>Pasha</i> ..	State Railways, Cairo, Egypt.
1887 May 24.	*NUNN, FRANCIS CRUMPTON ..	Eastnor, Sydenham Hill, S.E.
1896 May 19.	NUTTALL, EDMUND .. .. ..	{The Ash, Seymour Grove, Manchester.
1899 Dec. 5.	*NUTTALL, HERBERT .. .. ..	20 Market Street, Bury, Lancs.
1897 Mar. 2.	*NYE, ARTHUR WILLIAM ..	Swaynesthorpe, Ditton Hill, Surrey.
1888 Apr. 10.	*NYE, WILLIAM THOMAS ..	{Gasworks, Rockhampton, Queensland.
1902 Mar. 4.	*OAKDEN, RALPH, Junr. .. ..	41 Kirkgate, Newark.
1885 May 5.	{OAKES, Sir REGINALD LOUIS, Bart. .. .. ..	{Soc. Anonyme La Métallurgique, 1 Place de Louvain, Brussels.
1887 May 3.	{*OAKLEY, ALGERNON SEYMOUR, BERNARD .. .. ..	Barrington Grove, Burford, Oxon.
1896 Feb. 4.	*OAKLEY, ERNEST JOHN ..	{Kilburn & Co., 4 Fairlie Place, Calcutta.
m 1902 Jan. 14.	{*O'BRIEN, HENRY EOGHAN, B.Sc. ( <i>Victoria</i> ) .. .. ..	73 Victoria Road, Horwich, Lancs.
1900 Dec. 4.	O'BRIEN, PERCY VINCENT ..	{P.W.D., Coolgardie, Western Australia.
1901 Apr. 23.	{O'CONNELL, JAMES CHARLES, B.E. (Royal) .. .. ..	Up Park Camp, Jamaica.
1892 Apr. 5.	O'CONNOR, HENRY .. .. ..	Milne & Son, Milton House Works,
1880 May 25.	*ODDIE, HENRY JAMES .. ..	Aston, Stevenage, Herts. [Edinburgh,

Date of Election.	ASSOCIATE MEMBERS.	
1873 Mar. 4.	*ODLING, FRANCIS JAMES .. ..	Box 314, G.P.O., Melbourne, Victoria.
1894 Dec. 4.	O'DONNELL, JAMES IGNATIUS .. ..	Glenear, Eglinton Road, Dublin.
1887 Mar. 1.	O'DRISCOLL, FLORENCE .. ..	{ 2y Bickenhall Mansions, W. (Pad- dington 994).
1889 Jan. 8.	*OERTEL, FRED. OSCAR .. ..	Allahabad, India.
1902 Mar. 4.	OERTON, FRANK JAMES .. ..	New Dock Works, Grangemouth, N.B.
1886 Jan. 12.	*OGILVIE, GEORGE TOD .. ..	Fort Jameson, Rhodesia.
1880 Dec. 7.	{ *OGILVIE, ROBERT CHARLES FREDERICK .. .. ..	{ Wavency, Upper Long Ditton, Surrey.
1859 Jan. 11.	OHREN, MAGNUS .. .. ..	4 Garlies Road, Forest Hill, S.E.
1892 Dec. 6.	OKE, FRANCIS ROBERT .. ..	5 Coppenhall Terrace, Crewe.
1865 Apr. 4.	OKES, JOHN CHARLES RAYMOND ..	23 Brondesbury Park, N.W.
1894 Dec. 4.	OKURA, KUMEMA .. .. ..	Okura & Co., Ginza, Tokio, Japan.
1887 Dec. 6.	*OLD, TRENHAM .. .. ..	Bay Rd., St. Leonards, Sydney, N.S.W.
1900 Feb. 6.	OLDHAM, HUGH .. .. ..	P.W.D., Day Dawn, Western Australia.
1895 Dec. 3.	OLDHAM, RICHARD SOULBY ..	62 Bryn Road, Swansea.
1893 Dec. 5.	OLIVER, ALFRED MARK .. ..	Rua D. Castorina 42, Rio de Janeiro.
1893 May 2.	OLIVER, GILBERT THOMAS INGLIS ..	P.W.D., Moulmein, Burma.
1865 Apr. 4.	OLIVER, THOMAS .. .. ..	Horsham.
1885 Apr. 14.	OLLIS, WILLIAM BAKER .. ..	151 Station St., Burton-on-Trent.
1881 Dec. 6.	OLSEN, HANS BLOM .. .. ..	{ Havnedirektörens Kontor, Chris- tiania.
1864 Mar. 1.	ONSLOW, DOUGLAS ARTHUR ..	5 Upper Richmond Rd., Putney, S.W.
1893 Mar. 7.	OPENSHAW, JAMES .. .. ..	Boro' Engineer's Office, Salford.
1890 Apr. 1.	ORDISH, OWEN .. .. ..	{ A. R. Debnam, Mt. Pleasant, Ply- mouth.
1892 Mar. 1.	*O'REILLY, FRANCIS JOSEPH ..	Nelson, West Kootenay, B. Columbia.
1894 Dec. 4.	*ORFORD, HENRY JAMES .. ..	{ 15 Railway Avenue, Maradana, Ceylon.
1892 Dec. 6.	ORMEROD, GEORGE HOLT .. ..	Grindlay & Co., Parliament Street, S.W.
1885 Feb. 3.	*ORMEROD, RICHARD OLIVER ..	Wrotham, Union Road, Exeter.
1890 Mar. 4.	ORR, ADOLPHE ERNEST .. ..	P.W.D., Lahore, Punjab.
1887 Dec. 6.	ORTON, FREDERICK .. .. ..	5 Queen Street, Cardiff.
1890 Dec. 2.	*OSBORN, ASHBY FREDERICK ..	Roads Office, Cowra, N.S.W.
1894 May 22.	O'SHAUGHNESSY, RICHARD GORMAN	Bangalore, India.
1891 May 5.	OSMAN, CHARLES WILLIAM .. ..	{ S. E. & L. C. & D. Rys., Tooley St., London Bridge Station, S.E. [S.W.]
1887 Dec. 6.	*OSMOND, WILLIAM .. .. ..	8 Wetherby Gardens, Kensington,
1896 Feb. 4.	O'SULLIVAN, JOHN GABRIEL ..	City Engineer's Office, Dublin.
1887 Dec. 6.	OTAGAWA, MASAYUKI .. .. ..	Ashio Mine, Shimotsuke, Japan.
1901 Dec. 3.	OUGH, ARTHUR HENRY .. ..	Leigh & Orange, Hong Kong.
1885 Apr. 14.	OUGH, HENRY .. .. ..	64 Basinghall Street, E.C.
1890 Dec. 2.	*OUGHTERSON, ARTHUR .. ..	{ New Orleans Motor Co., Holly Place, Twickenham.
1898 Apr. 5.	OUTRAM, FRANCIS DAVIDSON ..	28 Victoria Street, S.W.
1885 Dec. 1.	*OVERTON, FRANK .. .. ..	12 Rectory Road, Beckenham.
1875 Apr. 6.	*OWEN, JOHN ARTHUR .. ..	Engineer's Office, Trinity House, E.C.
1887 Dec. 6.	OWEN, WILLIAM LAMBDEN .. ..	{ Menzies, N. Coolgardie Goldfield, Western Australia.
1902 Apr. 8.	OWENS, JOHN SWITZER .. ..	{ Gwydir Chambers, 104 High Holborn, W.C.
1874 May 12.	OWER, CHARLES .. .. ..	104 Commercial Street, Dundee.
1899 Dec. 5.	OWER, HAY .. .. ..	{ P.W.D., Railway Construction Branch, Perth, W. Australia.
‡ 1896 Dec. 1.	OWLES, ARTHUR HATSELL .. ..	Admiralty Harbour, Dover.
1887 Apr. 5.	*OXTOBY, WILLIAM .. .. ..	Vestry Hall, Camberwell, S.E.
1901 Dec. 3.	{ *PACK-BERESFORD, ALGERNON DUNBAR .. .. .. ..	King, Hamilton & Co., Calcutta.
1888 Apr. 10.	*PADDON, JOHN FALKNER .. ..	Gas Co., Hove, Brighton.
1887 Apr. 5.	*PAGE, EDWARD HENRY .. ..	11 Castle Street, Cardiff.

Date of Election.	ASSOCIATE MEMBERS.		
1894 Jan. 9.	*PAGE, FRANK WATTS .. ..	14 St. Ann's Square, Manchester.	
1894 Jan. 9.	*PAGE, SYDNEY ELLIOTT .. ..	28 New Bridge St., Blackfriars. E.C.	
1886 Dec. 7.	PALLANT, THOMAS .. ..	{ Salmon, Ody & Co., 14 Norris Street, Haymarket, S.W.	
1902 Feb. 4.	PALMER, ARTHUR CECIL HUNTER	Govt. Rys., Brisbane, Queensland.	
1902 Apr. 8.	{ PALMER, FREDERICK CHARLES RICHARD .. .. ..	21 Blackett Road, Putney S.W.	
1886 Jan. 12.	*PALMER, THOMAS CASSINET ..	225 Portsdown Road, W.	
1895 Dec. 3.	PARDOE, JOSEPH CHARLES ..	Kirklands, Barry, Cardiff.	
1887 May 24.	PARK, CHARLES ARCHIBALD ..	Wolverton, Bucks.	
1893 Dec. 5.	{ PARK, JAMES HARVEY WIL- LIAMSON, B.Sc. ( <i>Edin.</i> ) ..	Madawachchiya, N.C.P., Ceylon.	
1898 Dec. 6.	PARKER, CHARLES HERBERT ..	Dist. Engineer, Palameotta, Madras.	
1889 Dec. 3.	PARKER, EDWARD LEONARD ..	171 Montagu St., Melbourne, Victoria.	
1883 May 29.	PARKER, HENRY .. .. ..	{ 76 Station Road, South Shore, Blackpool.	
1890 Dec. 2.	{ *PARKER, JAMES ALEXANDER, B.Sc. ( <i>Glas.</i> ) .. .. ..	S.E. & L.C. & D. Rys., Engineer's Office, London Bridge, S.E.	
1887 Mar. 1.	PARKER, JOHN .. .. ..	City Surveyor, Hereford.	
1887 May 24.	PARKER, JOHN .. .. ..	{ 107 Bedford Court Mansions, Bed- ford Square, W.C.	
1886 Dec. 7.	PARKER, JOHN EDWARD ..	{ Post Office Chambers, St. Nicholas Square, Newcastle-on-Tyne.	
1899 Dec. 5.	{ PARKER, PHILIP A MORLEY, B.A. ( <i>Cantab.</i> ), B.C.E. ( <i>Melb.</i> )	25 Victoria Street, S.W. .	
1896 Dec. 1.	PARKER, SYDNEY HYDE .. ..	Dibru-Sadiya Ry., Assam. c.o. Parkes & Browne, 52 Lincoln's	
1884 Feb. 5.	*PARKES, HENRY .. .. ..	Inn Fields, W.C.	
1873 Apr. 1.	*PARKES, THOMAS FARMER ..	Lambeth Waterworks, Brixton, S.W.	
1888 Feb. 7.	{ *PARKHOUSE, ALFRED WILLIAM LONG .. .. ..	61 Arbuthnot Road, Nunhead, S.E.	
1891 Mar. 3.	PARKIN, FREDERIC WILLIAM ..	{ Naylor Bros., Dearne Valley Ry., Great Houghton, Barnsley. Gorpley Reservoir, Todmorden.	
m † 1889 May 7.	*PARKIN, JOHN HENRY .. ..	Ry. Dept., Brisbane, Queensland.	
1884 Apr. 1.	{ PARKINSON, HENRY WATER- WORTH .. .. ..	Ellenby, Wilpshire, Blackburn.	
1889 Feb. 5.	PARKINSON, JAMES .. .. ..	93 Lincoln Road, Peterboroug.	
m † 1882 May 2.	*PARKINSON, RICHARD MARION	Town Hall, Hounslow.	
1893 Dec. 5.	{ *PARKMAN, PHILIP GEORGE WILLIAM .. .. ..	A. Dickinson & Co., Telephone Buildings, Birmingham.	
1892 Dec. 6.	PARLETT, GODFREY BERNARD	Town Hall, Bridgwater, Somerset.	
1894 Dec. 4.	PARR, FRANCIS .. .. ..	70 St. Andrews Street, Hertford.	
1879 Dec. 2.	*PARRY, JOSEPH WILLIAM ..	82 Victoria Street, S.W.	
1892 Apr. 5.	*PARRY, RICHARD .. .. ..	Delhi and London Bank, Calcutta.	
1879 May 27.	PARSICK, EDMUND ALBERT ..	Heaton Works, Newcastle-on-Tyne.	
1900 Apr. 3.	{ *PARSONS, THE HON. GEOFFRY LAWRENCE, B.A. ( <i>Oxon.</i> )	Grindlay & Co., Calcutta.	
1888 Jan. 10.	PARSONS, HERBERT JOSIAH ..	Outer Barrier Works, Hodbarrow, Millom.	
1885 Dec. 1.	PARTINGTON, THOMAS .. ..	c.o. Mrs. Partridge, Heathfield, Long- ton Avenue, Sydenham, S.E.	
1886 Apr. 6.	*PARTRIDGE, GODFREY BOWEN	M. F. Gonsalvez, Bahia, Brazil.	
1892 Feb. 2.	PASSOS, ALEXANDRE PORTELLA	{ 2 Pelham Place, South Kensington, S.W.	
1897 Apr. 6.	PATCH, ALFRED .. .. ..	Engineer's Office, G. W. Ry., Pad- dington, W.	
1890 Dec. 2.	PATERSON, JAMES DONALD ..	Levington, Ellesmere Park, Eccles.	
1893 Jan. 10.	PATERSON, MATTHEW .. ..	Wallace Brothers, 8 Austinfriars, E.C.	
1892 Jan. 12.	PATERSON, WALTER SAUNDERS	103 Church Rd., Upper Norwood, S.E.	
1867 Dec. 3.	PATTERSON, EDWARD CHARLES		

Date of  
Election.

## ASSOCIATE MEMBERS.

1886 Dec. 1.	PATTERSON, HERBERT CECIL ..	Jessop & Co., Calcutta.
1897 Apr. 6.	PATTESON, WALTER ..	{ High Greenwood, Heftonstal, Hebden Bridge.
1885 Dec. 1.	PATTINSON, JOHN SHIELD ..	Fawcett, Preston & Co., Liverpool.
1875 Feb. 2.	PATTISON, FREDERICK ..	8 Gray's Inn Square, W.C.
1885 May 5.	PATRICK, CHARLES BEAUFROY ..	Box 4279, Johannesburg, Transvaal.
1890 Mar. 4.	*PAULING, HAROLD WILLIAM ..	Box 713, Cape Town, C.C.
1889 Dec. 3.	*PAWLEY, FRANCIS ADOLPHUS ..	Arkonam, Madras.
1892 Dec. 6.	*PAXON, HAROLD CHARLES ..	Fairleigh, New Malden, Surrey.
1897 Apr. 6.	PAYNE, EDMOND WILLIAM ..	M. T. Shaw & Co., 81 Cannon St., E.C.
1900 Dec. 4.	PAYNE, HENRY ..	79 Arbuthnot Road, New Cross, S.E.
1894 Dec. 4.	PAYNE, PERCY MARRIOTT ..	Holmesdale, The Park, Nottingham.
1900 Apr. 3.	PEAKE, ALGERNON ..	{ 25 Prospect Road, Ashfield, Sydney, N.S. Wales.
1902 Apr. 22.	*PEARCE, EDWARD NATHANIEL ..	34 Boston Park Road, Brentford.
1900 Apr. 3.	PEARCE, STANDEN LEONARD ..	{ Corporation Electrical Dept., Dickinson Street, Manchester.
1895 Dec. 3.	PEARSE, ALEXANDER FRANCIS ..	{ P.W.D., Eng. Surveys, Perth, W. Australia.
1901 Apr. 23.	*PEARSON, GEOFFREY HOPE ..	3 Groundwell Street, Swindon.
1901 Apr. 2.	*PEARSON, HENRY LAWRENCE ..	{ 6 St. George's Chambers, Capo Town, C.C.
1893 Feb. 7.	PEARSON, JAMES MONTGOMERIE ..	5 John Dickie St., Kilmarnock, N.B.
1896 Apr. 14.	PECK, HERBERT EDGAR ..	{ G. M. Sayerman, 88 The Parade, Leamington.
1900 Apr. 3.	{ PECKITT, REGINALD GODFREY, B.A. (Oxon.) ..	{ Locomotive Department, Egyptian Railways, Boulac, Egypt.
1884 Jan. 8.	*PEDLEY, WILLIAM EVERARD ..	{ 515 Magnolia Avenue, Riverside, California, U.S.
1876 Mar. 7.	PEEL, WILLIAM ..	Knowlmore Manor, Clitheroe.
1890 Dec. 2.	*PEGG, HENRY VILLIERS ..	The Drift, Ranelagh Rd., Ipswich.
† 1896 May 19.	PEIRCE, ARTHUR ..	Town Hall, Calcutta.
1887 Apr. 5.	*PELLEREAT, HENRY ETIENNE ..	P.W.D., Patiala, Punjab.
1878 Mar. 5.	*PENA, URBANO JOSÉ DE LA ..	3 Recoletos, Madrid.
1884 Feb. 5.	*PENNINGTON, CHARLES BERKELEY ..	Apartado 82, Bilbao, Spain.
1890 Jan. 14.	*PENN, HARRY ..	40 Harold Rd., Upper Norwood, S.E.
1887 Jan. 11.	*PENNY, ARTHUR ROBERT ..	{ Oficina Via y Obras, F. C. del Sud, Buenos Aires.
1880 Dec. 7.	*PENNY, SEPTIMUS ..	24 Fairmile Avenue, Streatham, S.W.
1888 Dec. 4.	*PERCEVAL, RICHARD DOUGLAS ..	Saintfield, co. Down.
1892 Dec. 6.	PERHAM, THOMAS ..	Marine Dept., Wellington, N.Z.
1885 Jan. 13.	*PERKINS, HUGH FREDERICK ..	Greystone, Bangor, N. Wales.
1892 Dec. 6.	PERKINS, JOHN EDWARD SHARMAN ..	Park Road, Peterborough.
1898 Apr. 5.	PERKINS, THOMAS LUFF ..	4 Linzco Road, Hornsey, N.
1874 May 5.	PERRETT, EDWARD ..	151 Bedford Hill, Balham, S.W.
1889 Feb. 5.	*PERROT, SAMUEL DE ..	Neuchâtel, Switzerland.
1898 Dec. 6.	{ PERROTT, SAMUEL WRIGHT, B.A.I. (Dubl.) ..	{ 42 Westwood Street, Moss Lane East, Manchester.
1895 Feb. 5.	{ PERROTT, WILLIAM GEORGE, B.E. (Royal) ..	{ Gracefield House, Blackrock, co. Dublin.
1889 Dec. 3.	PERRY, ARNOLD HENRY ..	P.W.D., Cairo, Egypt.
1900 Dec. 4.	*PERRY, GEORGE STEPHENS ..	Nile Reservoir, Assuân, Egypt.
1881 Feb. 1.	{ PERRY, Professor JOHN, M.E. (Queen's), D.Sc. (Royal), LL.D. (Glas.), F.R.S. ..	{ Royal College of Science, South Kensington, S.W.
† 1886 Dec. 7.	PERRY, THOMAS HOLMES ..	Edgmond Hall, Newport, Salop.
1898 Dec. 6.	{ PERRY, WILLIAM RICHARD VICTOR PRITTI, M.A.I. (Dubl.) ..	{ G. S. & W. Ry., Limerick.
1895 Dec. 3.	PERRYN, GERRARD HATFIELD ..	28 Victoria St., Westminster, S.W.
1901 Jan. 8.	*PETAVEL, JOSEPH ERNEST ..	{ Physical Laboratory, Owens College, Manchester.
1900 Apr. 3.	*PETERS, NEIL JAMES ..	Waterworks Office, Cardiff.

Date of Election.	ASSOCIATE MEMBERS.	
1894 Dec. 4.	PETREE, MARSHALL .. ..	City Surveyor's Dept., Sheffield.
1900 Dec. 4.	PETTERS, JAMES M'FARQUHAR ..	P.W.D., Myitkyina, Upper Burma.
1886 Apr. 6.	{ *PHELIPS, HENRY VIVIAN MAJENDIE .. .. .. .. } ..	King, King & Co., Bombay.
1888 Dec. 4.	PHILIP, WILLIAM MARSHALL ..	{ The Anchorage, Village Road, Enfield.
1885 Dec. 1.	PHILLIMORE, JOSEPH .. ..	Kelani Valley Ry., Colombo, Ceylon.
1888 Feb. 7.	PHILLIPS, ARTHUR GAVED ..	11 Essex Villas, Phillimore Gardens, W.
1891 Feb. 3.	{ PHILLIPS, ERNEST ALFRED WILLIAM .. .. .. .. } ..	Thos. Cook & Son, Rangoon, Burma.
1891 Dec. 1.	*PHILLIPS, HERBERT .. ..	28 Addiscombe Road, East Croydon.
1887 Jan. 11.	PHILLIPS, HERBERT ARTHUR ..	18 Queen's Gardens, Hyde Park, W.
1894 Dec. 4.	PHILLIPS, JOHN .. .. ..	{ Fundicion de las Delicias, Apartado 88, Mexico City.
1896 Dec. 1.	PHILLIPS, ROBERT .. .. ..	9 Belgrave Road, Gloucester.
1895 Feb. 5.	PHILLIPS, ROBERT EDWARD ..	70 Chancery Lane, W.C.
1897 Feb. 2.	PHILLIPS, WILLIAM LLEWELYN ..	{ 3 Royal Arcade, Pilgrim Street, Newcastle-on-Tyne.
1891 Jan. 13.	PICKARD, ALFRED BARNES ..	5 Madeira Road, Streatham, S.W.
1891 Dec. 1.	*PICKERING, JOSEPH SPIERS ..	Council Offices, Nuneaton.
1897 Mar. 2.	PICKERING, SAMUEL ALBERT ..	Boro' Surveyor, Oldham.
1898 Jan. 11.	PICKERING, WILLIAM TODD ..	{ Midland Ry., Bugsworth, near Stockport.
1895 Dec. 3.	PICKLES, GEORGE HENRY ..	Boro' Surveyor, Burnley. [Mon.
1896 Feb. 4.	*PIERCE, HUGH, B.A. ( <i>Cantab.</i> ) ..	Culross, Bassaleg Road, Newport,
1891 Feb. 3.	*PIGOTT, FRANCIS JOSEPH ..	P.W.D., Matale, Ceylon.
1894 Apr. 3.	PILKINGTON, ARTHUR .. ..	c.o. H.S. King & Co., 65 Cornhill, E.C.
1883 Feb. 6.	*PILKINGTON, OLIVER STANTON ..	Bryn Cregin, Deganwy, Llandudno.
1881 Mar. 1.	PILLOW, EDWARD .. .. ..	Shirehall, Norwich.
1896 Feb. 4.	*PINCOMBE, WILLIAM EDWIN ..	East Indian Ry., Calcutta. [Kent.
1880 Mar. 2.	*PINE, ARTHUR CHILLEY .. ..	Quintain House, Offham, Malling,
1900 Dec. 4.	{ PINKERTON, EDMUND SUFFERN, B.E., B.A. ( <i>Royal</i> ) .. .. } ..	Town Hall, Belfast.
1879 Feb. 4.	PIPE, SAMUEL MATTHEW ..	13 West Pier, London Dock, E.
1900 Dec. 4.	*PITCAIRN, FRANCIS BERNARD ..	Waterworks, Shanghai, China.
1897 Feb. 2.	*PITTAR, GEORGE FRANCIS ..	Red Lodge, Briar Walk, Putney, S.W.
m † 1889 Dec. 3.	*PLATT, JOHN .. .. .. ..	{ 97 Cedar Street, New York, U.S. (Terneza, New York.)
1892 Jan. 12.	PLATTS, HENRY CHARLES ..	23 Lime Street, E.C.
1895 Jan. 8.	PLATTS, THEODORE SERGIUS ..	Waterworks, Odessa, Russia.
1896 Dec. 1.	PLEDGE, MARTYN FENWICK DE	Nitrate Ry., Iquique, Chili.
1891 Dec. 1.	POLLITT, ROBERT BARNABAS ..	{ De Beers Explosives Works, Cape Town, C.C.
1896 May 19.	*POLLOCK, JAMES, Jun. .. ..	17 Havelock Road, Tonbridge, Kent.
1897 Feb. 2.	*POLWHELE, JOHN ARCHIBALD ..	{ B. & N. W. Ry., Man Junction, Azamgarh, N.W.P., India.
1882 Dec. 5.	PONT, GEORGE VICTOR .. ..	Bengal Nagpur Ry., Raipur, C.P., India.
1892 May 3.	POOLE, EDWARD COOPER ..	2 Portland Street, Southampton.
† 1894 Dec. 4.	{ *POOLE, WILLIAM, Jun., B.E. ( <i>Sydney</i> ) .. .. .. } ..	B.H. Prop'y. Co., Port Pirie, South Australia.
1893 Dec. 5.	*POOLEY, HUBERT .. .. ..	Corporation Gas Dept., Stafford.
1881 May 31.	*POPE, FRANCIS JOHN ..	36 St. Mary's Mansions, Paddington, W.
1889 Feb. 5.	POPE, JOSEPH GORDON .. ..	{ Hazeldene, Fitzgerald Road, Wan- stead, E.
1892 Dec. 6.	*POPE, THOMAS, Jun. .. ..	Wytham, Maze Road, Kew, W.
1889 Dec. 3.	POPKISS, EDWARD PETER ..	{ Eng.'s Dept., Govt. Rys., Cape Town, C.C. [Surbiton.
1882 Dec. 5.	POPKISS, RICHARD .. .. ..	Langley House, Langley Avenue,
1897 Mar. 2.	{ POPPLEWELL, WILLIAM CHARLES, M.Sc. ( <i>Victoria</i> ) .. .. .. } ..	The Yew, Marple, Stockport.
1889 Feb. 5.	*POETEOUS, GEORGE WILLIAM ..	Casa Colon, Huelva, Spain.

Date of Election.	ASSOCIATE MEMBERS.
1875 Apr. 6.	PORTER, EDMUND VERNON .. 44 Manor Road, Beckenham, S.E.
1899 Apr. 11.	PORTER, EUSTACE WILLIAM .. H.M. Dockyard, Devonport.
1902 Apr. 8.	PORTER, GEOFFREY.. .. Municipal Offices, Worthing.
1890 Dec. 2.	*PORTER, JAMES ROBERTSON .. { 3 Barnstaple Mansions, Rosebery Avenue, E.C.
1900 Jan. 9.	{ PORTER, RALPH CLASSEN, Crosby, Norman Road, Northfield, M.Sc. ( <i>Victoria</i> ).. .. .. near Birmingham.
1896 Dec. 1.	*PORTSMOUTH, JOHN .. .. 12 Little College St., Westminster, S.W.
1888 Feb. 7.	PORTUS, ALEXANDER BROWN .. Harbour Office, Sydney, N.S.W.
1889 Dec. 3.	POSTLE, JOHN DAVY .. .. { 17 Arundel Terrace, Glebe, Sydney, N.S.W.
1891 May 5.	POTT, ARTHUR HENRY .. .. 81 Cornwall Gardens, S.W.
1876 Apr. 4.	{ POTTS, BENJAMIN LANGFORD 117 Camberwell Grove, S.E. FORSTER .. .. ..
T t ✕ 1879 May 27.	POTTS, JOHN JAMES .. .. Pier Office, Southport.
1897 Feb. 2.	{ *POULDEN, GEORGE EDWARD H.M. Dockyard, Gibraltar. LUTHER .. .. ..
1888 Dec. 4.	POWELL, ARTHUR .. .. 3 Unity Street, Bristol.
1881 May 3.	POWELL, EDWARD .. .. Millfield, Pontypridd.
1882 Feb. 7.	POWELL, FRANK CHARLES .. Coatham, Redcar.
1885 Dec. 1.	POWELL, HENRY BOLLAND .. 19 Victoria Street, S.W.
1895 Dec. 3.	POWELL, ROBERT ALBERT .. P.W.D., Colombo, Ceylon.
1900 Dec. 4.	POWELL, SIDNEY JOHN .. .. { Butterfield & Swire, New Dock Works, Hong Kong.
1887 Mar. 1.	{ POWER, JOHN MOORHEAD, British Consulate, Linares, Spain. B.A. ( <i>Cantab.</i> ) .. .. ..
✿ 1880 Dec. 7.	{ POWLES, HENRY HANDLEY 152 Oakley Street, Chelsea, S.W. PRIDHAM .. .. ..
✿ 1894 Dec. 4.	*POWNALL, JOHN .. .. Garwood Heath, Altringham.
1893 Dec. 5.	PRADO, LEOPOLDO DE ABREU .. 41 Praia de Caju, Rio de Janeiro.
1864 Mar. 1.	PREEBLE, CHARLES TREW .. Temperley, Hucclecote, Gloucester.
1893 Dec. 5.	*PREEBLE, ERNEST .. .. { L. & N. W. Ry., Engineer's Office, Batley.
T t ✕ 1894 Jan. 9.	*PREECE, ARTHUR HENRY .. 8 Queen Anne's Gate, S.W.
1897 Apr. 6.	*PREECE, WILLIAM LLEWELLYN { Bryn Helen, Woodborough Road, Putney, S.W. [Cross, N.
1902 Apr. 8.	PREECE, WILLIAM WALTON .. Engineer's Office, G.N.Ry., King's
t ✕ 1876 Dec. 5.	{ PRELLER, CHARLES SHEIBNER 1 Zeltweg, Zürich. DU RICHE, M.A., Ph.D. ( <i>Leipzig</i> )
1895 Feb. 5.	PRENDERGAST, PATRICK JOSEPH Borough Surveyor, Athlone, Ireland.
✿ 1885 Apr. 14.	*PRENTICE, ERNEST SAMUEL .. Rayleigh, Park Hill, Carshalton.
1887 Dec. 6.	*PRENTICE, THOMAS THEOPHILUS Waterworks, Lima, Peru.
1901 Apr. 2.	PREScott, WILLIAM HENRY .. 712 High Road, Tottenham, N.
1897 Apr. 6.	PREST, WILLIAM .. .. Rockholme, Ben Rhydding, Leeds.
1882 Feb. 7.	*PRESTIGE, SYDNEY .. .. { Aberdeen House, Blackheath Park, S.E.
1882 May 2.	{ PRESTON, EDWARD STUART, 49 Roland Gardens, S.W. M.A. ( <i>Cantab.</i> ) .. .. ..
1897 Mar. 2.	*PRESTON, FREDERICK KENNERLEY { Brush Electrical Eng. Co., Falcon Works, Loughborough.
m 1876 May 30.	*PRESTON, SIDNEY, C.I.E. .. Seey. to Govt., P.W.D., Calcutta.
1897 Dec. 7.	PRETTY, WILLIAM HENRY .. Fell Side, Cuttlefield Road, Bedford.
1898 Dec. 6.	PRICE, ALAN, B.A. ( <i>Dubl.</i> ) .. 15 Macquarie Place, Sydney, N.S.W.
1893 Feb. 7.	*PRICE, ARTHUR BOYD .. { Marsland, Price & Co., Nesbit Road, Bombay.
1897 Jan. 12.	{ *PRICE, GEORGE JOHN, Bikpur, Bhagalpur District, Bengal. B.A. ( <i>Dublin</i> ) .. .. ..
1897 Apr. 6.	*PRICE, JAMES HENRY .. .. { Whitechapel and Bow Ry., 48 Bow Road, E.
1886 Apr. 6.	PRICE, JOHN .. .. .. Bureau des Services Sanitaires, Cairo.
1891 May 1.	PRICE, JOSEPH .. .. .. 125 Bunhill Row, E.C.

Date of Election.	ASSOCIATE MEMBERS.	
1889 Jan. 8.	*PRICE, PETLEY LLOYD AUGUSTUS	Hayeswood, Pembury, Kent.
1887 Jan. 11.	{ PRICE, WILLIAM ARTHUR, M.A. (Oxon.) .. .. ..	Polytechnic, William Street, Woolwich, S.E.
1891 Feb. 3.	PRICE, WILLIAM EDWARD ..	Gas Works, Hampton Wick.
1891 Apr. 7.	*PRICE-WILLIAMS, JOHN MORGAN	Tees Valley Water Board, Grassholme, Mickleton, Darlington.
1889 Dec. 3.	{ *PRICE - WILLIAMS, SEYMOUR WILLIAM .. .. ..	J. Mansergh, 5 Victoria St., S.W.
1891 Jan. 13.	PRICHARD, DAVID .. .. ..	Brithwernydd, Penrhyn Deudraeth, N. Wales.
1889 Dec. 3.	PRIDHAM, THEODORE .. ..	P.W.D., Sydney, N.S.W.
1891 Mar. 3.	*PRIGG, HENRY VICTOR .. ..	6A Courtenay Street, Plymouth.
1880 Jan. 13.	PRIMROSE, ADAM .. ..	Caixa 403, Rio de Janeiro.
1890 May 20.	*PRINCE, HERBERT WALTER ..	La Guaira Harbour, Venezuela.
1888 Dec. 4.	*PRINSEP, REGINALD SEYMOUR	Junior Carlton Club, Pall Mall, S.W.
m 1898 Dec. 6.	*PRITCHARD, PHILIP MORRIS ..	35 Chetwynd Street, Liverpool.
1890 May 6.	*PRITCHARD, THOMAS .. ..	{ St. Winifred's, Pagoda Avenue, Richmond, S.W.
† 1889 Dec. 3.	*PROCTER, HERBERT TATHAM ..	32 Market Square, Lancaster.
1894 Mar. 6.	PROCTOR, HAROLD FARADAY ..	Electric Light Station, Bristol.
1896 Feb. 4.	PROCTOR-SIMS, ERNEST WILLIAM	P.W.D., Bhavnagar, Kathiawar, India.
1898 Feb. 1.	*PROES, ERNEST MARINUS ..	P.W.D., Hyderabad, Sind.
1902 Apr. 8.	PROPHET, JOHN DOWNEY ..	{ Ferro-Carril Central, Sagua la Grande, Cuba.
1879 Feb. 4.	*PROUSE, OSWALD MILTON ..	Alvington, Slade Road, Ilfracombe.
1896 Dec. 1.	PROUT, WILLIAM MORRIS ..	Box 1043, Johannesburg, Transvaal.
† 1887 Dec. 6.	*PROVIS, RICHARD .. ..	14 Penyventon Terrace, Redruth,
1878 Jan. 15.	PROVIS, THOMAS BAWDEN ..	The Dean, Saltash. [Cornwall.
1896 Dec. 1.	*PRYDE, JOHN .. .. ..	{ Lowfield House, Hazel Grove, Stockport.
1886 May 18.	PUCKERING, ROBERT COMINS ..	Britannia Ironworks, Gainsborough.
1893 May 2.	{ PUIG DE LA BELLACASA Y SAN- CHEZ, NARCISO .. .. ..	Serrano 30, Madrid.
m † 1892 Jan. 12.	{ *PULLEN, WILLIAM WADE FITZ- HERBERT .. .. ..	4 Marlborough Road, Putney, S.W.
1884 Dec. 2.	PULLON, JOSEPH THOMAS ..	75 Victoria Road, Headingley, Leeds.
1899 Mar. 7.	PULMAN, THOMAS CHARLES ..	Grindlay & Co., Calcutta.
† 1883 May 29.	*PURCHARD, WILLIAM CHARLES	151 Cannon Street, E.C.
† 1880 May 4.	{ PURCELL, GERVAISE, B.A. (Dubl.) .. .. ..	412 Wilcox Building, Los Angeles, Calif., U.S.
1899 Jan. 10.	*PURSER, WALTER BISHOP ..	31 Bedford Road, Horsham, Sussex.
1893 May 2.	{ *PUTMAN, WILLIAM ERNEST YOUNG .. .. ..	Boro' Surveyor, Morley.
1885 Apr. 14.	*PUTTEN, ERNEST VAN .. ..	Town Hall, Catford, S.E.
1901 Feb. 5.	{ PYBUS, WILLIAM HENRY LAWSON .. .. ..	Govt. Rys., Maritzburg, Natal.
1893 Mar. 7.	*PYKE, LAZARUS .. .. ..	44 Kensington Park Gardens, W.
1902 Jan. 14.	*PYNE, ALBERT PERIAM .. ..	South Park, Hexham.
1885 Dec. 1.	*PYNE, HERBERT BARRINGTON	Piedad 464, Buenos Aires.
1895 Dec. 3.	QUODLING, WILLIAM JAMES ..	{ Railway Construction Works, Gundagai, New South Wales.
1891 Dec. 1.	RABADINA, DORABJEE BHIKHAJEE	B. B. & C. I. Ry., Bombay.
1887 Dec. 6.	RADCLIFF, EDWARD .. .. ..	{ Burton Port Ry., Glenveagh Castle, Letterkenny.
1896 Mar. 3.	RADCLYFFE, LESLIE .. ..	35 Queen Victoria Street, E.C.
1897 Apr. 6.	{ RADDIN, GEORGE HENRY, B.E. (Royal) .. .. ..	The Greys, East Preston, Worthing

Date of  
Election.

## ASSOCIATE MEMBERS.

1889 Jan. 8.	RADFORD, JOHN CHARLES ..	163 Upper Richmond Rd., Putney, S.W.	
1884 Feb. 5.	RADFORD, WILLIAM HENRY ..	{ Albion Chambers, King Street, Nottingham.	
1895 Feb. 5.	{ RADLEY, EDWARD YELF, B.A. ( <i>Oxon.</i> ) .. ..	27 Albert Hall Mansions, S.W.	
1879 Mar. 4.	RADLEY, JOHN ALFRED ..	G. E. Ry., Thorpe, Norwich.	
1898 Dec. 6.	RAFF, ALEXANDER CUMMING ..	{ Railway Dept., Brisbane, Queens- land.	
1899 Dec. 5.	*RAIKES, HUGH PERCIVAL ..	{ 14 Francis Road, Edgbaston, Birmingham.	
1891 Mar. 3.	*RAILTON, ALAN .. ..	{ Topham, Jones & Railton, H.M. Dockyard Extension, Gibraltar.	
1892 Dec. 6.	{ *RAMUS, BFRTRAM EDWARD DE NOUAL B.A. ( <i>Cantab.</i> ) ..	Playden Rectory, Rye, Sussex.	
1896 Dec. 1.	RANDALL, AUGUSTUS CHARLES ..	163 Rochdale Road, Bury, Lancs.	
1876 May 30.	*RANDELL, JOHN WILLIAM ..	{ Grove House, Bagley's Lane, Ful- ham, S.W.	
1894 Feb. 6.	*RANKEN, ARTHUR WILLIAM ..	{ Glen Logan, Heathside Road, Woking.	
1884 Apr. 1.	*RANKIN, GEORGE .. ..	39 Womersley Rd., Crouch End, N.	
1874 Apr. 14.	RANKINE, DAVID .. ..	238 West George Street, Glasgow.	
WtMm†	1892 Dec. 6.	*RANSOM, HERBERT BYROM ..	{ Manlove, Aliott & Co., 57 Grace- church St., E.C.
	1890 Feb. 4.	{ *RANSOM, PETER AUGUSTUS, B.A. ( <i>Cantab.</i> ) .. ..	Grosvenor Lodge, Beekenhamb, S.E.
	1896 Feb. 4.	RANSOME, FREDERICK STANLEY ..	{ Clayton Engineering Co., Newton Hyde.
	1894 May 22.	RANSOME, JOHN WILMER ..	{ Orwell Lodge, Lordship Terrace, Stoke Newington, N.
	1892 Dec. 6.	RAO, KEKOBAD HORMASJEE ..	14 Bentinek Street, Calcutta.
	1892 Dec. 6.	*RAPER, JOHN CHARLES DODGSON ..	G. I. P. Ry., Jubbelpur, C.P., India.
	1888 Mar. 6.	*RAPLEY, FREDERICK HARVEY ..	6 Clements Lane, E.C.
	1892 Dec. 6.	RATANJI, MANACKJI .. ..	Port Trust, Bombay.
	1893 Dec. 5.	*RATHBONE, ACHESON LYLE ..	Oakfield, Penny Lane, Liverpool.
	1882 Feb. 7.	*RATHBONE, EDGAR PHILIP ..	Salisbury House, London Wall, E.C.
	1886 Jan. 12.	*RATTRAY, DAVID CAMPBELL ..	L. & Y. Ry., Eng.'s Office, Man- N. E. Ry., Darlington.
t †	1898 Apr. 5.	RAVEN, VINCENT .. ..	[chester.
	1890 May 20.	RAVENSHAW, HENRY WILLOCK ..	110 Cannon Street, E.C.
	1886 Dec. 7.	*RAVES, BERTRAM ADAMS ..	R.E. Office, Valletta, Malta.
	1895 Apr. 2.	*RAVES, BRIAN ALBERT ..	R.E. Office, Archcliffe Fort, Dover.
	1885 Dec. 1.	*RAWSON, FREDERICK LAWRENCE ..	3 Budge Row, E.C. (Bank 123.)
†	1902 Jan. 14.	{ *RAYNER, EDWIN HARTREE, B.A. ( <i>Cantab.</i> ) .. ..	Tiviot Dale, Stockport.
	1891 Dec. 1.	*RAYNER, FRANK .. ..	1 Alexandra Road, Nottingham.
	1884 Dec. 2.	*READ, HARRY VAUGHAN RUDSTON ..	{ Broad St. Avenue, Blomfield St., E.C. (Valorem, London. Avenue 562.)
m	1881 Feb. 1.	READ, RICHARD .. ..	City Surveyor, Gloucester. [S.W.]
m	1878 May 7.	*READ, RICHARD JOHN GIFFORD ..	1 Great Chapel Street, Westminster,
m	1882 Feb. 7.	*READ, ROBERT HENRY .. ..	{ Cadogan Ironworks, Lots Road, Chelsea, S.W.
	1891 Feb. 3.	READE, JAMES FRANCIS ..	The Parade, Kilkenny, Ireland.
	1871 Apr. 4.	READE, THOMAS MELLARD ..	{ Park Corner, Blundellsands, Liver- pool.
	1887 Dec. 6.	REES, FREDERICK HOWELL ..	Govt. Engineer, George, South Africa.
	1894 May 22.	REESON, JOSEPH NEWELL ..	Gas Light & Coke Co., Beckton, E.
	1887 Dec. 6.	REEVE, HENRY, C.M.G. ..	{ o. St. Stephen's Club, Westminster, S.W.
	1895 Dec. 3.	REID, ALEXANDER .. ..	Arosia, Fairy Road, Wrexham.
	1892 Dec. 6.	REID, ANDREW .. ..	{ McAlpine & Sons, 188 St. Vincent Street, Glasgow.
	1896 Feb. 4.	REID, DAVID JOHN .. ..	York House, Church Street, Inver- ness.
	1894 Dec. 4.	REID, JOHN HENRY ONSLOW ..	Pauling & Co., Bulawayo, Rhodesia.

Date of Election.	ASSOCIATE MEMBERS.	
1893 Dec. 5.	*REID, ROBERT NEWBY HARTLEY ..	c.o.H.S.King & Co., 65 Cornhill, E.C.
1892 Dec. 6.	REID, SAMUEL .. .. ..	Municipal Engineer, Penang, S.S.
1884 Feb. 5.	*REID, WILLIAM .. .. ..	Kilbirnie, N.B.
1881 May 3.	*REILLY, FREDERICK, F.C.H. ..	Moss Lane, Pinner.
1878 May 28.	{ REINCKE, HANS RODERICH LEOPOLD .. .. ..	{ 2 Laurence Pountney Hill, E.C. (Bank 530.)
† 1893 May 16.	*REINHOLD, GUSTAVE CHARLES ..	{ 24 Spencer Villas, Little Heath, Charlton, S.E.
1897 Jan. 12.	RENDEL, HENRY WEDGWOOD ..	8 Great George Street, S.W.
1886 Apr. 6.	{ *RENTON, ALEXANDER CRAIG, B.Sc. (Edin.) .. .. ..	{ F.C. Buenos Aires al Pacifico, Calle 25 de Mayo 277, Buenos Aires.
1882 Mar. 7.	RENWICK, CHARLES .. .. ..	{ Public Works Offices, Kingston, Jamaica.
1902 Feb. 4.	RETTIE, ARCHIBALD CAMPBELL ..	Nile Reservoir, Assonan, Egypt.
1893 May 2.	REVILL, WILLIAM HENRY ..	L. C. & D. Ry., Loco. Dept., Margate.
1899 Dec. 5.	REYNOLDS, CHARLES HUBERT ..	{ Crown Agent's Office, Downing Street, S.W.
1894 May 1.	REYNOLDS, ERNEST JOHN ..	{ 3 Clarendon Villas, Beaconsfield Road, New Southgate.
m 1894 Dec. 4.	*REYNOLDS, FRANK PAUL ..	{ G. W. Ry., Engineer's Office, Paddington, W.
1898 Dec. 6.	{ REYNOLDS, JOHN FRANCIS JODRELL .. .. ..	{ 47 Victoria Street, S.W.
1901 Mar. 5.	REYNOLDS, JOHN JAMES ..	18 Booth Street, Manchester.
1890 Jan. 14.	*REYNOLDS, LESLIE HUNTER ..	Montecillo, Dunedin, N.Z.
1886 Jan. 12.	*REYNOLDS, THOMAS BLAIR ..	28 Victoria Street, S.W.
1900 Dec. 4.	*RHODES, BEN ALBERT ..	Hallas, Kirkburton, Huddersfield.
1882 Dec. 5.	RICH, HOWARD .. .. ..	Boro' Engineer, Warwick.
1898 Apr. 2.	RICHARDS, EDWIN MELVILLE ..	Town Hall, Rochdale.
1893 May 16.	*RICHARDS, HENRY FINES ..	B. B. & C. I. Ry., Bombay. [biton.
1893 Apr. 11.	RICHARDSON, CECIL .. .. ..	Dawankuttie, Adelaide Rd., Sur-
1887 Jan. 11.	*RICHARDSON, GEORGE RICHARD ..	Council House, Handsworth, Staffs.
1890 Feb. 4.	*RICHARDSON, HARRY .. ..	Elsinore, Heaton, Bolton.
1897 Jan. 12.	RICHARDSON, HARRY ALFRED ..	
1897 Apr. 6.	{ RICHARDSON, JOHN WILLIAM MELLING .. .. ..	Water Engineer's Office, Birkenhead.
1893 May 16.	RICHARDSON, WILLIAM ARTHUR ..	{ Glen Heather, Dryburgh Road, Put- ney, S.W.
1885 May 5.	*RICKETTS, DASHWOOD POYNTZ ..	c.o. H.B.M. Consul, Tientsin, China.
1900 Mar. 6.	*RICKMAN, JAMES, B.A. ( <i>Cantab.</i> ) ..	Fairlight, Whitehill Rd., Gravesend.
1897 Jan. 12.	RIDLEY, CLARENCE OLIVER ..	8 Great George Street, S.W.
1886 Mar. 2.	*RIDLEY, MARTYN NOEL .. ..	11 Dartmouth St., Westminster, S.W.
1886 Dec. 7.	RIGBY, ARTHUR .. .. ..	Harbour Board, Mackay, Queensland.
1892 Mar. 1.	*RIGBY, ARTHUR BANKS .. ..	Dockyard, Liverpool.
1900 Dec. 4.	RIGBY, ARTHUR BERTRAM ..	60 Thornton Avenue, Chiswick, W.
1897 Feb. 2.	{ *RIGBY, EDWARD HULME, B.Sc. ( <i>Victoria</i> ) .. ..	Damfield, Maghull, Liverpool.
1902 Mar. 4.	{ *RISHWORTH, FRANK SHARMAN, B.E. ( <i>Royal</i> ) .. ..	G.N. Railway, King's Cross, N.
1888 Jan. 10.	RISTORI, EMANUEL JOSEPH ..	9 Victoria Street, S.W.
1899 Dec. 5.	RITCHIE, EDGAR GOWAR ..	{ Metropolitan Board of Works, 501 Collins St., Melbourne, Victoria.
1885 Apr. 14.	RITSON, THOMAS NOBLE ..	{ 1 West Cliff Villas, West Cliff Road, Ramsgate.
1900 Dec. 4.	RIVERS, CHARLES EDWIN ..	Municipal Offices, Harrogate.
1890 Feb. 4.	*ROACH, WILLIAM LLOYD ..	District Council, Blaina, Mon.
1890 Mar. 4.	*ROBERTS, CHARLES, F.C.H. ..	{ Nacochee Hills Gold Mining Co., Nacochee, Ga., U.S.A.
1898 Apr. 5.	ROBERTS, FRANK .. .. ..	Boro' and Water Engineer, Worthing.
1896 May 19.	*ROBERTS, GERVASE HENRY ..	{ Gas Dept., Locomotive Works, Horwich.
1897 Mar. 2.	ROBERTS, HAMLET .. .. ..	Waterworks, Ipswich.
1897 Feb. 2.	ROBERTS, JOHN .. .. ..	28 Fisher Street, Swansea.

Date of Election.	ASSOCIATE MEMBERS.
1892 Dec. 6.	ROBERTS, JOHN BROAD .. .. Box 1019, Johannesburg, Transvaal.
1892 Dec. 6.	{ *ROBERTS, JOHN MARRIS, B.A.I. { G. S. & W. Ry., 5 Alexandra (Dubl.) .. .. .. .. .. Terrace, Military Rd., Limerick.
1891 Jan. 13.	ROBERTS, LOUIS EDGAR .. .. { 23 Salisbury Road, Chorlton-cum-Hardy, Manchester.
1890 Dec. 2.	{ *ROBERTS, REUBEN WILLIAM, Sind Club, Karachi, India. F.C.H. .. .. .. .. ..
1886 Dec. 7.	{ ROBERTS, RICHARD GABBETT P.W.D., Purneah, Bengal. SPIERS .. .. .. .. ..
1893 Dec. 5.	*ROBERTSON, ALEXANDER GORDON 29 Samos Road, Anerley, S.E.
† 1899 Dec. 5.	ROBERTSON, ANDREW ROBERT 8 Park Circus Place, Glasgow.
1892 May 3.	{ ROBERTSON, FULTON, 6 Craighall Terrace, Musselburgh, B.Sc. (Edin.) .. .. .. .. .. N.B.
1891 May 12.	{ *ROBERTSON, GEORGE THOMPSON, Lautaro Nitrate Co., Taltal, Chili. B.Sc. (Edin.) .. .. .. .. ..
1896 May 5.	{ ROBERTSON, HORACE PATRICK, Box 88, Kalgoorlie, Western M.C.E. (Melb.) .. .. .. .. .. Australia.
1880 Dec. 7.	*ROBINS, EDWARD .. .. .. .. .. c.o.H.P. Becher, 26 Bedford Row, W.C.
1894 Feb. 6.	*ROBINS, FREDERICK SANDERSON Main Drainage Office, Newmarket.
1890 Feb. 4.	ROBINS, JOHN .. .. .. .. .. 19 Portland Street, Southampton.
1888 Dec. 4.	ROBINS, WILLIAM HENRY .. 82A New Street, Birmingham.
1890 Mar. 4.	{ ROBINSON, ARTHUR SAMUEL FRANCIS .. .. .. .. ..
1892 Dec. 6.	ROBINSON, ERNEST GEORGE .. { F. C. del Sud, Casa Amarilla, Buenos Aires.
1894 Feb. 6.	ROBINSON, FREDERICK FOLEY 157 Ramsden Road, Balham, S.W.
1880 Dec. 7.	ROBINSON, HUGH CECIL .. .. Union Club, Trafalgar Square, W.C.
1887 Feb. 1.	ROBINSON, JAMES .. .. .. .. .. P.W.D., Bhagulpore, Bengal.
1882 Dec. 5.	*ROBINSON, JOHN NEWMAN .. { B. & N. W. Ry., Saidpur, N.W.P., India.
1895 Feb. 5.	*ROBINSON, JOSEPH PETER .. 8 Trafalgar Rd., Birkdale, Southport.
1895 Dec. 3.	*ROBINSON, KEITH .. .. .. .. .. { Parliament Mansions, Victoria St., S.W.
1896 Dec. 1.	ROBINSON, LEIGH .. .. .. .. .. S.W.
1883 Dec. 4.	*ROBINSON, RICHARD SYER .. Abbey Road, Malmesbury.
1882 May 2.	ROBINSON, WILLIAM FLETCHER 53 Parkgate Road, Chester.
1899 Jan. 10.	ROBINSON, WILLIAM PAGE .. { 31 High Street, Skelton-in-Cleveland. (Suffolk House, Laurence Pountney Hill, E.C.
1894 Dec. 4.	ROBSON, JOHN JAMES .. .. .. .. ..
1896 Feb. 4.	ROBSON, THOMAS PEARSON .. { 28 Lissenden Gardens, Highgate Road, N.W.
† 1898 Dec. 6.	{ ROCHE, EDWARD RICHARD, Clifton House, Portland Avenue, B.A.I. (Dubl.) .. .. .. .. .. Exmouth.
1888 Dec. 4.	ROCHFORT, JAMES .. .. .. .. .. Napier, N.Z.
1897 Dec. 7.	RODDA, JOSEPH TONKIN .. Woodbank, Grove Road, Eastbourne.
1885 May 19.	*RODEN, HORACE HASSALL .. 7 Oriel Terrace, Weston-super-Mare.
1901 Dec. 3.	*RODWELL, FREDERICK JOHN .. 41 Prudential Buildings, Leeds.
1873 Dec. 2.	*RODWELL, JOHN KIRBY .. .. Bury St. Edmunds.
1900 Dec. 4.	{ ROE, RICHARD DARTNELL Oficina Compañía, Zapiga, Iquique, TENNANT .. .. .. .. .. Chili.
† 1900 Dec. 4.	{ *ROGERS, ARTHUR EDWARD, 18 Ovington Square, S.W. B.A. (Oxon.) .. .. .. .. ..
1895 Jan. 8.	*ROGERS, GEORGE SAMUEL WYON R.E. Office, Bulford Camp, Amesbury.
1896 Dec. 1.	ROGERS, HERBERT MALCOLM .. { Redcliffe, Durham Avenue, Bromley, Kent.
1893 Dec. 5.	ROGERS, JOHN .. .. .. .. .. City Engineer, Dunedin, N.Z.
1891 Dec. 1.	ROGERS, OLIVER HERBERT .. { Eng.-in-Chief's Office, Adelaide, S. Australia.
1888 Dec. 4.	{ ROGERS, RALPH BARON, Hexworthy, Launceston, Cornwall. M.A. (Oxon.) .. .. .. .. ..
1902 Apr. 8.	ROGERSON, ALBERT CHORLEY .. 107 Chorley New Road, Horwich.

Date of Election.	ASSOCIATE MEMBERS.		
1891 Feb. 3.	{ *ROGERSON, JOHN EDWIN, B.A. ( <i>Cantab.</i> ) .. .. .. }	Croxdale Hall, Durham.	
1902 Jan. 14.	{ ROGET, SAMUEL ROMILLY, M.A. ( <i>Cantab.</i> ) .. .. .. }	5 Randolph Crescent, Maida Hill, W.	
1890 Apr. 1.	RÖHE, CHRISTIAN HEINRICH ..	Campinas, Estado de São Paulo, Brazil.	
1872 May 14.	ROMAÑA, EDWARD L. DE ..	G. Stafford & Co., Arequipa, Peru.	
1878 Mar. 5.	ROMANES, GEORGE .. .. ..	Craigknowe, Slateford, N.B.	
1899 Mar. 7.	ROOKE, THOMAS .. .. ..	8 Queen Anne's Gate, S.W.	
m † 1885 Feb. 3.	*ROOPER, WALTER OSMOND ..	Emery Works, Stafford.	
1900 Jan. 9.	*ROOTS, NEVILLE .. .. ..	Naylor Bros., Coton Hill, Shrews-	
1886 Apr. 6.	*ROPER, JOHN SIMPSON .. ..	32 Market Square, Lancaster. [bury.	
1888 Dec. 4.	*ROSE, FREDERICK .. .. ..	Caixa 122, Santos, Brazil.	
1888 Jan. 10.	*ROSE, GEORGE PRINGLE, C.I.E. ..	c.o. H. S. King & Co., 45 Pall Mall, S.W.	
1886 Apr. 6.	ROSE, JAMES WILMOT ANDREAS ..	Engineer's Office, Naauwpoort, Cape Colony.	
1900 Apr. 3.	ROSENBUSCH, GILBERT .. ..	Royal Societies' Club, St. James's Street, S.W.	
1902 Feb. 4.	*ROSEVEARE, LESLIE .. .. ..	Boro' Engineer's Office, Plymouth.	
1891 Mar. 3.	{ *ROSS, COLIN JOHN, B.E., B.Sc. (Edin.) .. .. .. .. }	Town Hall, North Sydney, N.S.W.	
1901 Apr. 23.	*ROSS, DAVID WILLIAM .. ..	{ Sanitary Engineer's Office, Consejo Provincial, Callao, Peru.	
1889 Dec. 3.	*ROSS, FRANCIS EDWARD .. ..	Linden Villa, Morland Road, Addis- combe, Croydon.	
1889 Jan. 8.	ROSS, JOHN CLARK .. .. ..	Town Engineer, Warrnambool, Victoria.	
1899 Dec. 5.	{ *ROSS, JOHN KEITH, M.A., B.Sc. (Edin.) .. .. .. }	136 St. Thomas Road, Preston.	
1890 Feb. 4.	*ROSS, PERCIVAL .. .. ..	2 Farfield Road, Buttershaw, Brad-	
1894 Feb. 6.	ROSS, WILLIAM, B.A.I. ( <i>Dubl.</i> ) ..	66 North Wall, Dublin. [ford.	
1895 Dec. 3.	ROSS, WILLIAM, B.E. ( <i>Royal</i> ) ..	56 Dallas Road, Lancaster.	
1890 Dec. 2.	ROSSBACH, WILLIAM .. ..	Harbours & Rivers Dept., Sydney, N.S.W.	
1877 Mar. 6.	ROTHWELL, RICHARD MARSHALL ..	Ellerslie, Summertown, Oxford.	
1896 Jan. 14.	*ROTTER, EDWD. RICHD. ERNEST ..	Town Hall, Portsmouth.	
1895 Jan. 8.	{ ROUNTHWAITE, RICHARD SEP- TIMUS .. .. .. .. .. }	Wellington, N.Z.	
1899 Mar. 7.	ROUSE, FRANCIS JAMES .. ..	Madras Ry., Tellicherry, India.	
1884 Feb. 5.	{ ROUSE, HENRY GEORGE ARCHI- BALD .. .. .. .. .. }	Norton, Haslemere Rd., Crouch End, N.	
1890 Apr. 1.	ROUTH, WILLIAM POLE .. ..	Oakfield, Southern Hill, Reading.	
1894 Dec. 4.	{ ROVING, CHRISTIAN MARTIN, CRONE, M.A. ( <i>Copenhagen</i> ), <i>Capt. Siamese R.E. retired.</i> .. .. .. .. .. }	141 Ashley Gardens, S.W.	
1878 May 7.	ROWAN, ARTHUR HILL .. ..	Fife House, Kingston-on-Thames.	
† 1886 Apr. 6.	ROWAN, FREDERICK JOHN .. ..	{ 71a West Nile Street, Glasgow. (Barnacles, Glasgow.)	
1900 Feb. 6.	ROWAND, ROBERT .. .. ..	20 St. John's Square, Wakefield.	
† 1895 Feb. 5.	ROWBOTHAM, JAMES McKEAN ..	Calle Corrientes 951-59, Buenos Aires.	
1895 Jan. 8.	ROWE, DANIEL .. .. ..	57 Hanover Road, S. Tottenham, N.	
1893 Feb. 7.	{ ROWNEY, GEORGE ANSELM, HENRY, B.E. ( <i>Royal</i> ) .. .. .. .. .. }	D.P.W., Sewerage Branch, Sydney, N.S.W.	
1900 Apr. 3.	ROY, THOMAS .. .. .. .. ..	{ Chief Engr., Grand Junction Rys., Cape Town, C.C.	
1893 Mar. 7.	{ *ROYAL-DAWSON, FREDERICK GEORGE .. .. .. .. .. }	N.W.Ry., Shahrig, Beluchistan.	
1897 Jan. 12.	*ROYLE, FREDERICK MURRAY ..	Guildhall, Nottingham. [chester.	
1884 Feb. 5.	ROYLE, HENRY .. .. ..	Longford Bridge, Stretford, Man-	
1893 Jan. 10.	*ROYLE, STANLEY ARTHUR ..	City Surveyor's Office, Manchester.	
1889 Apr. 2.	*ROZARIO, LOUIS CHARLES DO	Club Lusitano, Hong Kong.	

Date of  
Election.

## ASSOCIATE MEMBERS.

1897 Apr. 6.	RUGGARD, HENRY JOHN .. ..	Eng's Office, N. E. Ry., York.
1900 Dec. 4.	RUGGARD, WILLOUGHBY DOUGLAS ..	Engineer's Office, N.E. Ry., York.
1901 Dec. 3.	*RUDGE, CHARLES HENRY .. ..	L. & N.W. Ry., Wharf St., Sheffield.
1887 Dec. 6.	RUMSEY, HERBERT .. ..	Clarendon, Stratford Road, Twickenham.
1895 Apr. 2.	*RUNDALL, WILLIAM HARRY ..	Valdeorros Gold Mining Co., Barco de Valdeorros, Galicia, Spain.
W t ♫ 1879 Feb. 4.	RUNEBERG, ROBERT .. ..	Bureau Vega, Liteinij pr. 57, St. Petersburg. (Runeberg, Petersburg.)
1895 May 21.	RUSHWORTH, JOSEPH .. ..	22 Symons Street, Higher Broughton, Manchester.
♫ 1887 Apr. 5.	*RUSSELL, ARTHUR JAMES ..	August Strunz, Barranquilla, U.S. Colombia.
t ♫ 1892 Feb. 2.	RUSSELL, CHARLES NEWTON ..	29 Southwood Avenue, Highgate, N.
1885 Jan. 13.	*RUSSELL, STUART ARTHUR ..	Kingswood, Coventry Road, Ilford, E.
1901 Apr. 2.	*RUSSELL, THOMAS WILLIAM ..	{ Admiralty, 21 Northumberland Avenue, W.C.
1876 Feb. 1.	*RUSSELL, WILLIAM .. ..	9 Victoria Street, S.W.
1894 May 1.	*RUTTER, CHARLES HERBERT ..	{ North Middlesex Gas Co., Mill Hill, N.W.
1893 May 2.	*RUTTER, HENRY THORNTON ..	Bedgbury House, Rottingdean, Sussex.
1889 Mar. 5.	{ *RYGATE, PHILIP WILLIAM, M.A., B.E. (Sydney) .. ..	322 George Street, Sydney, N.S.W.
1897 Jan. 12.	*RYMAN, FREDERICK ROBERT ..	Boro' Engineer's Office, Bury.
1899 Apr. 11.	*RYVES, REGINALD ARTHUR ..	Cuatro Santos 32, Cartagena, Spain.

1889 Feb. 5.	SADLER, HENRY .. ..	H.M. Dockyard, Keyham, Devonport.
1892 Dec. 6.	SADLER, WILLIAM WINDHAM ..	General Buildings, Perth, N.B.
1894 Feb. 6.	*SAHNI, BHAGAT RAM .. ..	Jummu, Kashmir, India.
1881 May 31.	{ *ST. CLAIR, Hon. LOCKHART, MATTHEW, C.I.E. .. ..	Grindlay, Groom & Co., Bombay.
1896 Feb. 4.	SAISE, ALFRED JOHN .. ..	District Council, Kingswood, Bristol.
1893 Apr. 11.	SALIS, HENRY RODOLPH DE ..	Ivy Lodge, Iver Heath, nr. Uxbridge.
1902 Apr. 8.	{ *SALMON, CHARLES EMILE, HERBERT .. ..	Uganda Ry., Mombasa, E. Africa.
1897 Apr. 6.	*SALMOND, WILLIAM .. ..	3 Argyle Road, West Ealing, W.
1891 May 5.	*SALTER, ARTHUR JOSEPH ..	35 Lewisham Rd., Highgate Rd., Saltmarshe, Howden. [N.W.]
1890 Jan. 14.	*SALTMARSH, LIONEL .. ..	Stonehouse Court, Gloucestershire.
1890 May 6.	SALWEY, EDWARD RICHARD ..	423 Hawthorne Road, Bootle.
1891 Feb. 3.	*SAMPLE, JOHN THOMAS HORNSBY	P.W.D., Mandalay, Burma.
♫ 1899 Dec. 5.	SAMUELSON, BERNHARD MARTIN	9 Bridge Street, Westminster, S.W.
1902 Jan. 14.	*SAMBERG, CHRISTOPHER PETER, JUN.	Tarkwa Ry., Sekondi, Gold Coast.
1900 Apr. 3.	*SANDERS, CHARLES PHILLIPS ..	Bengal-Nagpur Ry., Sini Station, India.
1891 Feb. 3.	{ *SANDERS, EVELYN FRANCIS, B.A.I. (Dubl.) .. ..	Monreith, Thames St., Weybridge.
1887 May 3.	*SANFORD, HENRY WILLIAM ..	Boston Fruit Co., Banes, Cuba.
1899 Dec. 5.	{ SANFTLEBEN, DANIEL ADOL- PHUS PLENGER .. ..	P.W.D., Rasul, Gujerat, Punjab.
1898 Apr. 5.	*SANGSTER, WILLIAM PETER ..	City Waterworks, Kobe, Japan.
1902 Feb. 4.	SANO, TOJIRO .. ..	Wortley, Mais & Sant, Kingston, Jamaica.
1889 Feb. 5.	*SANT, WILLIAM ELOIN .. ..	Lower Street, Stroud, Glos.
1893 Dec. 5.	*SARGEANT, EDWARD FRANK ..	{ e.o. Bewick, Moreing & Co., Broad Street House, E.C.
1895 Dec. 3.	*SARGENT, HARRY LIONEL ..	6 Ovington Gardens, S.W.
1885 May 19.	SARTORIS, LEONARD .. ..	Dorking, Surrey.
1881 Jan. 11.	*SAUBERGUE, ARTHUR DE ..	

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 Mar. 1.	*SAUNDERS, ERNEST EDWARD ..	Improvements Co., Rio de Janeiro.
1890 Dec. 2.	(*SAUNDERS, FREDERICK WALTER) THEODOR .. .. ..	Water Supply, Coolgardie, Western Australia.
1902 Mar. 4.	*SAUNDERS, HAROLD JACOB ..	Box 530, Johannesburg, Transvaal.
1880 May 25.	*SAUNDERS, HENRY JOHN ..	{c.o. John Girdwood, 18 St. Swithin's Lane, E.C.
1900 Dec. 4.	{SAUNDESON, EDWIN DE BEDICK, B.A.I. ( <i>Dubl.</i> ) .. .. ..	Surrey Dock Extension, Rotherhithe, S.E.
1896 Apr. 14.	SAUNDESON, FREDERICK ..	Oriel Cottage, Selborne Road, Douglas, Isle of Man. [mingham.
1892 Feb. 2.	SAVAGE, EDWARD BALLARD ..	Sewerage Dept., Council House, Bir-
† 1886 Jan. 12.	SAVAGE, HUGH .. .. ..	Rue Ferdinand Nicolai, Seraing, Belgium.
1895 Dec. 3.	SAVAGE, WILLIAM .. .. ..	77 Beech Street, Crewe.
1895 Jan. 8.	SAVAGE, WILLIAM HENRY ..	Montfichet, East Ham, Essex.
1882 Feb. 7.	[SAVICH, ESTEVAO] .. .. ..	
1895 Dec. 3	*SAVILE, LEOPOLD HALLIDAY ..	
1901 Apr. 23.	{*SAVILE, WILLIAM HENRY BOURCHIER .. .. ..	N. E. Ry., Dock Office, Hull.
1889 Dec. 3.	*SAVOURS, WILLIAM MATHEW ..	Woodlands, St. Martin's Road, Caer-
		philly, Cardiff.
1887 Mar. 1.	*SAXBY, JAMES .. .. ..	Creil, Oise, France.
1876 Feb. 1.	SAXTON, HENRY WARING ..	New Plymouth, New Zealand.
1892 Jan. 12.	SAXTON, THOMAS RICHARD ..	43 East Bank, Stamford Hill, N.
1875 May 4.	SAYER, SAMUEL .. .. ..	Miss Formby, Frindsbury, Rochester.
1895 Dec. 3.	SCAIFE, THOMAS EARLE ..	P.W.D., Cape Town, C.C.
1894 Dec. 4.	SCHARSCHMIDT, SAMUEL THOMPSON	Hanbury, Shooter's Hill, Jamaica.
1892 Mar. 1.	{SCHÉLE, ERNST GEORGE ANGANTYR .. .. ..	Jönköping, Sweden.
1896 Feb. 4.	SCHENK, CHARLES EDWARD ..	6 Gwydr Terrace, Swansea.
1893 Apr. 11.	SCHLOESSER, ROBERT .. .. ..	{Govt. Inspector of Mines, Cobar,
		New South Wales.
1890 May 6.	{SCHNEIDER, WILLIAM MARS- LAND FRANCIS, M.A. ( <i>Cantab.</i> )	38 Stanhope Gardens, S.W.
1891 Mar. 3.	SCHOFIELD, GEORGE ANDREW	[Crewe.
1902 Mar. 4.	SCHOLEFIELD, RUSSELL SCOTT	Carlton Villas, Hungerford Road,
1897 Mar. 2.	{SCHOFIELD, WILLIAM HIGGIN- SON .. .. ..	Fairlawn Road, Lytham, Lancs.
1887 May 3.	SCHOLES, EDWARD HORATIO ..	60 Manchester Road, Bury, Lancs.
1886 May 4.	{*SCHÖNBERG, ALEXANDER CHARLES .. .. ..	28 Victoria Street, S.W. (Quayage, London.)
1888 May 1.	SCHURR, ALBERT EBENEZER ..	{Fry, Miers & Co., 5 Laurence Pountney Hill, E.C.
1889 Feb. 5.	SCHUSTERSCHITZ, FRANCISCO ..	Belem, Para, Brazil.
1894 Dec. 4.	*SCHWARTZ, ALFRED .. .. ..	{Municipal Technical School, Man-
		chester.
1893 Dec. 5.	SCHWOERER, EMILE .. .. ..	Colmar, Alsace, Germany.
1891 Apr. 7.	*SCLATER, ARTHUR WILLIAM ..	182 Oxford Street, W.
1878 May 28.	SCLAVERANI, MICHELANGELO ..	{Società Nazionale delle Officine, Savigliano, Italy.
1880 Dec. 7.	*SCOBIE, MACKAY JOHN .. .. ..	{P.W.D. Secretariat, Rangoon, Burma.
1894 Feb. 6.	*SCONCE, HENRY ARCHIBALD KERR	Rajputana-Malwa Railway, Jeypore, India.
1877 Dec. 4.	*SCOTT, CECIL .. .. ..	Municipality, Rangoon, Burma.
1892 Dec. 6.	*SCOTT, CECIL GRAHAM .. .. ..	Apperley Cliff, Shanklin, I.W.
1900 Dec. 4.	{SCOTT, CHARLES VICTOR GEORGE, B.A.I. ( <i>Dubl.</i> ) .. .. ..	P.W.D., Lyallpur, Punjab.
1899 Apr. 11.	{SCOTT, CHARLES WILLIAM, B.A.I. ( <i>Dubl.</i> ) .. .. ..	The Rectory, Bray, co. Wicklow.
1882 Mar. 7.	SCOTT, DONALD ALBERT ..	Beaconsfield House, Hingham, Norfolk.

Date of Election.	ASSOCIATE MEMBERS.	
m † 1899 Feb. 7.	SCOTT, ERNEST KILBURN	.. { Beesfield House, near Farmingham, Kent.
1883 Dec. 4.	SCOTT, FRANK WALTER	.. Woodcliffe House, Burgess Hill, N.W.
1880 May 25.	*SCOTT, HUGH HAMILTON	.. Town Hall, Hove, Brighton.
1894 May 1.	SCOTT, JAMES .. ..	.. The Hale, Harrow Road, Sudbury.
† 1886 Dec. 7.	SCOTT, JESSE FRENCH ..	.. 206 Stanstead Rd., Forest Hill, S.E.
1892 Mar. 1.	SCOTT, ROBERT SMITH ..	.. Town Surveyor, Bishop Stortford.
1887 Apr. 5.	SCOTT, WILLIAM ARCHIBALD ..	.. 11 Alexandra Road, Southport.
1895 Feb. 5.	SCOTT-BUSHIE, ROBERT JOHN ..	P.W.D., Georgetown, British Guiana.
1891 Dec. 1. {	*SCOVELL, CHARLES THORNTON RENNIE .. ..	W. Watson & Co., Bombay. [Delhi.
1895 Dec. 3.	SCRATCHLEY, ARTHUR JAMES	P.W.D., Western Jumna Canal,
1884 Dec. 2.	SCRATCHLEY, HERBERT ARTHUR	British Vice-Consul, Philippeville, Algeria.
1895 Apr. 2.	SCRATTON, ALFRED ..	F. C. del Sud, Buenos Aires.
1878 Apr. 2.	*SCRIVEN, CHARLES WALTER ..	12 Trossachs Rd., East Dulwich, S.E.
1894 Mar. 6.	SCRUTTON, LINDSAY ..	Brown's Valley, Yuba Co., Calif., U.S.
m 1894 Feb. 6.	*SEALY-ALLIN, AURIOL ..	Bengal-Nagpur Ry., Nagpur, India.
1895 Apr. 2.	SEAMAN, CHARLES JOSEPH ..	Newton Heath Ironworks, near Manchester.
1874 Mar. 3.	*SEARLE, JOHN COOMBE ..	92 Madeley Road, Ealing, W. [S.W. e.o. Grindlay & Co., Parliament St.
1894 Dec. 4.	*SEARS, ROBERT HUMPHRY ..	{ Montague House, Richmond, S.W. (Seaton, Richmond.)
1887 Dec. 6.	SEATON, WILLIAM SHARPEY ..	Mare aux Vacoas Waterworks, Cure- pipe, Mauritius.
1894 Feb. 6.	*SEGRAIS, PAUL LE JUGE DE ..	28 Victoria Street, S.W. (Awesome, London.)
M m † 1889 Dec. 3. {	*SEGUNDO, EDWARD CARSTENSEN DE .. .. .. ..	36 Victoria Street, S.W.
1886 Mar. 2. {	SELLON, STEPHEN PRESCOTT WHITE D'ALTE .. ..	Kinshiu Ry., Moji, Japan.
1889 Feb. 5.	SENGOKU, MITSUGU .. ..	Sencroft, West Worthing.
M † 1884 May 27.	*SENNETT, ALFRED RICHARD ..	Boro' Engineer, Heywood.
1896 May 5.	SETTLE, JAMES AINSWORTH ..	The Hill, Alsager, Stoke-on-Trent.
1895 May 21.	SETTLE, JOEL .. ..	H.M. Naval Yard, Gibraltar.
1896 Dec. 1.	*SETTLE, JOSEPH RISLEY ..	9 Bridge St., Westminster, S.W.
1893 Dec. 5.	SEVERN, WILLIAM HENRY ..	29 St. Mary St., Toronto, Canada.
1880 Jan. 13.	*SEWELL, HENRY DE QUINCY ..	Engineer's Office, G. W. Railway, Paddington, W.
1902 Apr. 22.	*SHACKLE, CHARLES EDWARD	Ampton Lodge, Ampton Road, Edg- baston, Birmingham.
1886 Apr. 6.	SHACKLEFORD, ARTHUR LEWIS	75 Upper Ground Street, S.E.
1882 Apr. 4.	*SHAND, JAMES TILLEY ..	Shire Council, Yea, Victoria.
1900 Dec. 4.	SHARLAND, JAMES SUTHERLAND	Stirling Boiler Co., 2 St. Andrew
1893 Jan. 10.	*SHARMAN, JOHN RONBURGH ..	Square, Edinburgh.
1893 Dec. 5.	*SHARMAN, PHILIP ALAN ..	113 Cannon Street, E.C.
T t † 1887 Dec. 6.	*SHARP, ARCHIBALD, B.Sc. (Lond.)	47 Victoria Street, S.W.
1893 Feb. 7.	*SHARP, FREDERIC DAVID ..	Bryn-clydach, Ynysybwl, Ponty- pridd.
† 1879 Feb. 4.	SHARP, WILLIAM .. ..	Invercargill, New Zealand.
1887 Apr. 5.	SHARPE, ROBERT .. ..	Annaville, Knockbreda Park, Belfast.
1900 Feb. 6.	SHARPE, ROBERT JOHN BEVIL	G. W. & G. C. Rys., High Wycombe.
1900 Apr. 3.	SHARPE, WILLIAM, B.Sc. (Glas.)	Engineer-in-Chief's Office, Govern- ment Rys., Pietermaritzburg, Natal.
1885 May 19.	*SHAW, EDWARD .. ..	Eln Lodge, Bexley.
1890 Dec. 2.	SHAW, FREDERICK GEORGE ..	79 Grosvenor Street, W.
1886 Jan. 12.	*SHAW, GEORGE HERBERT ..	Trinity House, Tower Hill, E.C.
1890 Apr. 1.	*SHAW, HERBERT .. ..	Urban District Council, Ilford, E.
1888 Dec. 4.	SHAW, JAMES JOSEPH ..	Engineers' Office, S.E. Ry., London
1899 Dec. 5.	*SHAW, JOHN .. ..	[Bridge, S.E.
1886 Feb. 2.	SHAW, JOHN HOWARD ..	Bracklyn, Poole Road, Bournemouth.

Date of Elect.	ASSOCIATE MEMBERS.	
1894 Feb. 6.	SHAW, PERCY WILLIAM .. ..	{ Tramway Construction Department, Sydney, N.S.W.
1897 Apr. 6.	*SHAW, WILLIAM BARBOURE ..	128 Wellington Street, Glasgow.
1899 Dec. 5.	*SHAW, WILLIAM CAMPBELL ..	4 Church Street, Northgate, Chester.
1877 Apr. 10.	*SHAW, WILLIAM EDWARDS ..	Albrighton, near Wolverhampton.
1900 Dec. 4.	*SHAWCROSS, ROBERT ELLIS ..	66 Lexham Gardens, W.
1895 Jan. 8.	*SHEARD, WILLIAM CURWEN ..	20 Elms Road, Heaton Chapel, Lancs.
1882 Dec. 5.	*SHEARS, JAMES CHARLES ..	7 Uxbridge Road, Surbiton.
1899 Dec. 5.	*SHEFFIELD, FREDERICK GERARD	68 Sydney Street, Chelsea, S.W. (15 New Bridge Street, Newcastle-on-Tyne.)
m ♫ 1894 Dec. 4.	*SHEFFIELD, GEORGE HARRISON	{ Engineer's Office, New Dock Works, Southampton.
† ♫ 1895 Apr. 2.	{ *SHEIELDS, FRANCIS ERNEST WENTWORTH- .. .. ..	Wells, Somerset.
1888 Feb. 7.	SHELDON, FRANK .. .. ..	The Chantry, Springfield, Chelmsford.
1887 Dec. 6.	SHELDON, PERCY JOHN .. ..	{ 80 Prince of Wales Mansions, Battersea Park, S.W.
1895 May 21.	*SHEPHERD, JOSEPH .. .. ..	Stores Dept., State Rys., Cairo.
t ♫ 1883 Feb. 6.	SHEPPARD, HERBERT GURNEY	{ 25 Constantine Road, Hampstead, N.W.
1892 Dec. 6.	SHEPPARD, THOMAS CLIVE ..	{ c.o. Grindlay & Co., Parliament Street, S.W.
1883 Jan. 9.	SHERMAN, CHARLES BELLIBIVAR	{ Burstall and Monkhouse, 14 Old Queen Street, Westmiuster, S.W.
1902 Apr. 8.	*SHETTLE, WILLIAM CROASDILL	P.W.D., Perth, Western Australia.
† 1897 Dec. 7.	{ *SHIELDS, WILLIAM HERBERT, B.Sc. (Glas.) .. .. ..	{ Wellington Road, Handsworth, Birmingham.
1892 May 3.	SHIRLAW, ANDREW .. .. ..	56 Brook Green, W.
1883 May 1.	SHORT, FRANCIS JOB .. ..	Bengal-Nagpur Ry., Jenapur, Orissa, India.
1896 Dec. 1.	{ *SHORTLAND, CHARLES VINCENT NIXON .. .. ..	Under Secy. to Govt., P.W.D., Bom-bay.
1898 Dec. 6.	{ *SHOUBRIDGE, HAREY OLIVER BARON .. .. ..	District Council, Littleboro', Man-chester.
1884 Dec. 2.	SHUTTLEWORTH, FRANK HENRY	35 Commercial St., Dundee.
1894 Dec. 4.	SIBBALD, JAMES .. .. ..	G. S. & W. Ry., Inchicore, Dublin.
1899 Dec. 5.	{ SIDES, JOHN FRANCIS, B.E. (Royal) .. .. ..	Waterworks Office, Harrogate.
1901 Dec. 3.	*SIKES, LOUIS, B.Sc. ( <i>Victoria</i> )	Great Western Ry., Gerrard's Cross, Bucks.
1902 Apr. 8.	{ *SIKES, ROBERT CHERRY, B.E., B.A. (Royal) .. ..	194 Cromwell Road, S.W.
1891 Apr. 7.	*SILLEM, WILLIAM .. .. ..	5 Victoria Street, S.W.
1884 Jan. 8.	SILVERTHORNE, ARTHUR .. ..	{ 81 Page Street, Westminster, S.W. (Precision, London.)
1892 Mar. 1.	SIMMANCE, JOHN FREDERICK ..	18 Pemberton Gardens, N.
1895 May 21.	SIMMELKAER, SOPHUS .. ..	D. & C. Stevenson, 84 George Street, Edinburgh.
1891 May 5.	{ SIMPKINS, WILLIAM, B.Sc. (Edin.) .. ..	Vale Place, Haverhill, Suffolk.
1889 Dec. 3.	*SIMPSON, AUGUSTUS JOHN ..	Miss Bloch, Weekly, Kettering.
1895 May 21.	*SIMPSON, CHARLES EDWARD ..	{ 101 Grosvenor Road, S.W. (Aquosity, London.) [stead, N.W.
1888 Feb. 7.	*SIMPSON, CHARLES LIDDELL ..	Kilmanagh, Platt's Lane, Hamp-
1890 Dec. 2.	SIMPSON, EDWARD MARSH ..	Casilla 144, G.P.O., Buenos Aires.
1879 Dec. 2.	*SIMPSON, FRED .. .. ..	4 Penmartin Road, Brockley, S.E.
1889 Jan. 8.	SIMPSON, HENRY EDWIN ..	64 Romford Road, Stratford, E.
1899 Dec. 5.	{ *SIMPSON, LIGHTLY STAPLETON, B.A. (Cantab.) .. ..	15 Regent Quay, Aberdeen.
1900 Dec. 4.	*SIMPSON, WILLIAM .. .. ..	{ Alliance Chambers, Horsefair Street, Leicester.
1891 Apr. 7.	SIMPSON, WILLIAM HENRY ..	Hafod Works, Swansea.
1891 Dec. 1.	SINCLAIR, ALEXANDER .. ..	Town Hall, Widnes.
† 1892 Dec. 6.	SINCLAIR, JOHN SMART .. ..	o 2

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 May 24.	SINGH, BAKHISHI RAM, <i>Rai Sahib</i>	P.W.D., Gujranwalla, Punjab.
1893 Dec. 5.	*SINNOTT, EDWARD STOCKLEY ..	Western Mail Chambers, Cardiff.
1897 Mar. 2.	*SISSON, NORMAN .. .. ..	{ Hughes & Laneaster, 47 Victoria Street, S.W.
1900 Dec. 4.	{ SITWELL, JOHN KNIGHTLEY, B.A. ( <i>Cantab.</i> ) .. .. ..	E. B. Ry., Loco. Dept., Kanchrapara, India.
1888 Dec. 4.	*SKELTON, ROBERT .. .. ..	Sudbury Croft, Harrow.
1892 Dec. 6.	*SKINNER, HARRY ROSS .. .. ..	{ Durban-Roodepoort Mining Co., Johannesburg, Transvaal.
1891 Dec. 1.	SKIPTON, JOHN GERVAIS .. .. ..	Athlone, Ireland.
1901 Dec. 3.	*SLADE, CHARLES FELIX .. .. ..	{ Engineer's Office, M. & G.N. Rys., Melton Constable.
1876 Dec. 5.	SLADE, FREDERICK .. .. ..	Beckford, Tewkesbury.
1896 Feb. 4.	*SLATER, JOSEPH .. .. ..	2 The Polygon, Eccles, Lancashire.
1877 Mar. 6.	*SMALL, JAMES MILN .. .. ..	17 Victoria Street, S.W.
1885 May 5.	SMALLMAN, HENRY FRANCIS .. .. ..	Woodland Hotel, Delhi, Punjab.
m † 1884 Dec. 2.	*SMART, EDGAR .. .. ..	{ W. F. Smart & Son, 16 Basinghall Street, E.C.
1893 Dec. 5.	{ SMEATON, STIRLING, B.A. ( <i>Adelaide</i> ) .. .. ..	Littlehampton, South Australia.
1889 Dec. 3.	*SMITH, ALBERT CASSON .. .. ..	{ Metropolitan Board of Works, Collins St., Melbourne, Victoria.
1896 Apr. 14.	SMITH, ALEXANDER .. .. ..	{ F. C. Buenos Aires y Rosario, Rosario, Argentina.
1876 May 30.	*SMITH, ARTHUR TOULMIN .. .. ..	{ Ludwig & Smith, Miasnitzkaia St., Moscow.
1888 Feb. 7.	SMITH, BASIL EUSTACE .. .. ..	{ C. H. Krabbé, Calle Cuyo 760, Buenos Aires.
1891 May 5.	*SMITH, BERTRAM ROBERT .. .. ..	R. Smith, Bifrons, Fleet, Hants.
1894 Feb. 6.	*SMITH, CHARLES CLEMESHA .. .. ..	Waterworks, Wakefield.
1900 Dec. 4.	*SMITH, CHARLES FREDERICK .. .. ..	{ 8 Dent's Road, Wandsworth Common, S.W. [guay.
1887 Feb. 1.	SMITH, CYRIL .. .. ..	F. C. de Paraguay, Asuncion, Para.
1897 Jan. 12.	SMITH, EDMUND .. .. ..	The Manse, Balham Park Rd., S.W.
1886 Dec. 7.	*SMITH, FRANK MARTIN .. .. ..	{ Roads and Bridges Department, Sydney, N.S.W.
1900 Apr. 3.	{ SMITH, GEORGE HENRY, B.A.I. ( <i>Dudl.</i> ) .. .. ..	11 Dartmouth Street, Westminster, S.W.
1895 Dec. 3.	SMITH, GEORGE WILLIAM .. .. ..	Port Elizabeth, Cape Colony.
1899 Feb. 7.	*SMITH, GERALD ALFRED .. .. ..	37 Dhurumtollah Street, Calcutta.
1877 Dec. 4.	SMITH, GUY .. .. ..	{ Several Farm, Saxstead, Framlingham.
t † 1893 Dec. 5.	*SMITH, HAROLD DUKE .. .. ..	{ L. & N. W. & G. W. Joint Rys., Shrewsbury.
1893 Dec. 5.	*SMITH, HARRY COLVIN .. .. ..	Western Ry., Havana, Cuba.
1897 Apr. 6.	SMITH, HARRY WILLIAM .. .. ..	Boro' Engineer, Scarborough.
1879 May 27.	SMITH, HENRY ROBERT .. .. ..	Portsmouth Water Co., Southsea.
1896 Jan. 14.	{ *SMITH, HENRY VAUGHAN, CRAWFORTH .. .. ..	Pembroke Estates Office, 1 Wilton Place, Dublin.
1902 Apr. 8.	SMITH, HUGH LESLIE .. .. ..	Siemens Bros. and Co., Woolwich, S.E.
1885 Dec. 1.	*SMITH, JAMES CAMPBELL .. .. ..	Boro' Surveyor, Bury St. Edmunds.
1894 Dec. 4.	SMITH, JAMES GOULD .. .. ..	Boro' Surveyor, Guild Hall, Beverley.
1898 Apr. 5.	SMITH, JOHN WILLIAM .. .. ..	34 Wilfred Street, Derby. [ley.
1891 Feb. 3.	SMITH, RICHARD WILLIAM .. .. ..	P.W.D., Colombo, Ceylon.
t † 1881 May 3.	{ SMITH, Professor ROBERT, HENRY .. .. ..	Parliament Mansions, Westminster, S.W.
1889 Apr. 2	{ *SMITH, ROGER THOMAS, B.Sc. ( <i>Lond.</i> ) .. .. ..	7 Gordon Street, Gordon Square, W.C.
1901 Apr. 23.	SMITH, SYDNEY ARTHUR .. .. ..	1 Princess Street, Manchester.
1897 Jan. 12.	*SMITH, THOMAS, B.A.I. ( <i>Dubl.</i> ) .. .. ..	42 Clarendon Street, Londonderry.
1888 Feb. 7.	SMITH, THOMAS READER .. .. ..	District Council, Kettering.
1891 Apr. 7.	SMITH, THOMAS RYHS .. .. ..	150 Broadway, New York, U.S.

Date of Election.	ASSOCIATE MEMBERS.
1895 Jan. 8.	SMITH, T. RIDSDILL .. . . . Ravensthorpe, Hessle, Yorks.
1874 Apr. 14.	SMITH, URBAN ARMSTRONG .. { 41 Parliament Street, S.W. (Urban, Smith, London.)
1881 May 31.	*SMITH, WALTER .. . . . 63 Alleyn Park, West Dulwich, S.E.
1891 Feb. 3.	SMITH, WILLIAM .. . . . Sewerage Branch, Sydney, N.S.W.
1886 May 4.	{ *SMITH, WILLIAM CHARLES} Chemins de Fer de la Basse-Egypte, { ERNEST .. . . . Mansourah, Egypt.
1890 Dec. 2.	{ *SMITH - SAVILLE, ROBERT} Borough and Water Engineer, { WILLIAM .. . . . Darwen.
1892 Apr. 5.	{ SMYTH, JAMES STEVENSON, B.E.} Bangkok, Siam. (Royal) .. . . .
1901 Dec. 3.	SMYTH, JOHN McFALL .. . . { Borough Electrical Engineer, Keigh- ley. [N.W.]
1890 Jan. 14.	SNELL, ALBION THOMAS .. . . 15 Chatsworth Road, Brondesbury,
1887 Apr. 5.	SNELL, HARRY .. . . . Stanwell Rd., Penarth, Cardiff.
1884 May 27.	*SNELL, HENRY DE MORGAN .. Caixa do Correo 113, Rio de Janeiro.
1895 Mar. 5.	{ *SNELL, JOHN FRANCIS} Electricity Station, Sunderland. { CLEVERTON .. . . .
1896 Feb. 4.	{ *SOBBE, FERDINAND AUGUSTUS} 3 Belvidere Road, Liverpool. { VON .. . . .
1881 Dec. 6.	*SOLLY, HUBERT LE GAY .. . Govt. Rys., Cape Town, C.C.
1883 Feb. 6.	SOLOMON, MAURICE .. . . { Eng.'s Office, L. B. & S. C. Ry., London Bridge, S.E.
1902 Feb. 4.	*SOLOMON, REGINALD SAUL .. 79 Linden Gardens, Bayswater, W.
1898 Dec. 6.	*SOMERS, WILLIAM TOM WOOD Nile Reservoir, Assuan, Egypt.
1898 Feb. 1.	{ *SONNEBORN, ALBERT EDWARD} 46 Maida Vale, W. { HARVEY .. . . .
1901 Apr. 2.	{ *SONNENSCHEIN, FREDERIC} 4 Gorst Road, Wandsworth Com- { BOLTON .. . . . mon, S.W.
1897 Feb. 2.	*SOPER, ROBERT LEWIS .. . . Theydon Towers, Epping. [E.C.]
1887 May 24.	SORABJEE, SHAPURJEE .. . . Ransome & Co., 49 Leadenhall St.,
1881 May 31.	SOTO, PEDRO NOLASCO DE .. Ferro Carril de Zafra, Huelva, Spain.
1900 Apr. 3.	*SOUTHEY, FREDERICK .. . { 98 Drakefield Road, Upper Tooting, S.W.
1883 Apr. 3.	SOUTTER, PETER WILLIAM ..
1885 May 19.	{ SOUZA, AYRES POMPÉO CAR- { VALHO DE .. . . .
1893 Feb. 7.	*SPARKS, IVON ALGERNON .. Fairfield House, London Rd., Staines.
1897 Apr. 6.	{ *SPARKS, JAMES NOEL, B.A.} Winchester Ho., Old Broad St., E.C. (Cantab.) .. . . .
1894 Jan. 9.	*SPENCE, WILFRID L. .. . British Electric Plant Co., Alloa, N.B.
1890 Mar. 4.	*SPENCER, CHARLES TALLENT .. La Quinta, Lyon Road, Harrow.
1890 Dec. 2.	*SPENCER, HENRY BATH .. . 144 St. Vincent Street, Glasgow.
1875 Feb. 2.	{ SPENCER, HERBERT GEORGE} La Rosario, East Grinstead. { HAMMOND .. . . .
1876 May 30.	SPENCER, JOHN PHILIP .. . . Tynemouth.
1894 May 22.	{ *SPENCER, LEONARD GRANTLEY} Gormanston, Tasmania. { PAOLI .. . . .
1895 May 21.	{ SPENCER, THOMAS WILLIAM} D.P.W., Casino, N.S.W. { LORAIN .. . . .
1895 Dec. 3.	{ *SPENCER-STANHOPE, PHILIP} Cannon Hall, Barnsley. { BERTIE, M.A. (Oxon.) .. . .
1880 Apr. 6.	*SPIELMAN, ISIDORE .. . . . 3 Westbourne Crescent, Hyde Pk., W.
1861 Mar. 5.	SPIERS, JOSEPH .. . . . 9 Marchwood Crescent, Ealing, W.
1877 Dec. 4.	SPINDLER, HENRY LEWIS .. . Port Elizabeth, C.C.
1885 Jan. 13.	SPOONER, HENRY JOHN .. . 309 Regent Street, W.
1900 Mar. 6.	*SPRAGUE, ERNEST HEADLY .. 180 Regent's Park Road, N.W.
1901 Mar. 5.	*SPRECKLEY, JOHN ALFRED .. 1 Rosebery Villas, Hereford.
1886 Jan. 12.	*STABLES, EDWARD .. . . . 55 Northumberland Place, Bays- water, W.
1899 Feb. 7.	STACOOLE, STEPHEN WESTROPP { 3A Avenida de la Libertad No. 5, Orizaba, Vera Cruz, Mexico.
1891 Dec. 1.	*STAINFORTH, GEORGE MAYNARD Casilla 473, San José, Costa Rica.
1894 Dec. 4.	STAINBORPE, THOMAS WILLIAM Northcote, Totnes, Devon.

Date of  
Election.

ASSOCIATE MEMBERS.

1894 May 22.	STAINTON, FRANCIS CHARLES ..	{ Engineer's Office, S.E. & L.C. & D. Rys., London Bridge, S.E.
1895 May 21.	*STALLARD, SIDNEY ..	Town Hall, Croydon.
1888 Feb. 7.	*STALLIBRASS, EDWARD ..	Amazon Telegraph Co., Para, Brazil.
1896 Feb. 4.	*STAMP, CHARLES ..	Engineer's Office, N.E. Ry., York.
1900 Dec. 4.	STANDFIELD, FRANK ..	22 Pelham Road, Gravesend.
1890 Jan. 14.	{ STANFORD, WALTER JOHN, B.A.I. ( <i>Dubl.</i> ) ..	Devon & Grant Mine, Filabusi, Bulawayo, Rhodesia.
1878 Feb. 5.	STANGER, GEORGE HURST ..	North Street, Wolverhampton.
1900 Jan. 9.	STANLEY, EDWARD GOWER ..	P.W.D., Rangoon, Burma.
1890 Feb. 4.	STANLEY, WILLIAM HENRY ..	Sunnycroft, Trowbridge, Wilts.
1901 Feb. 5.	{ *STANSFIELD, SAMUEL, B.Sc. ( <i>Victoria</i> ) ..	{ 195 Wood Bottom, Walsden, Tod- morden.
t ♫ 1894 Feb. 6.	{ STANTON, THOMAS ERNEST, D.Sc. ( <i>Victoria</i> ) ..	National Physical Laboratory, Ted- dington.
1898 Mar. 1.	*STANTON, WALTER CHARLES ..	Rys., Rangoon, Burma.
1892 Feb. 2.	*STAPLES, SYDNEY FRANCIS ..	11 Victoria Street, S.W. [Burma.
1898 Feb. 1.	*STAPLETON, BRYAN, F.C.H. ..	P.W.D., Railway Branch, Rangoon,
1899 Mar. 7.	*STAPYLTON, ALAN ..	Assam-Bengal Ry., Badarpur, India.
1868 Dec. 1.	STATHAM, EDWYN JOSEPH ..	{ Cumberland Heights, Parramatta, N.S.W.
1895 Apr. 2.	*STATHAM, HUGH WORTHINGTON ..	Narrandera, New South Wales.
1894 Dec. 4.	*STATHAM, WILLIAM BLACKWALL ..	Linde British Refrigeration Co., 35 Queen Victoria Street, E.C.
1888 May 1.	*STATTER, JOHN GRICE ..	
1893 Feb. 7.	STAWEll, JONAS MOLESWORTH ..	{ Ry. Construction Dept., Sydney, N.S.W.
1896 Dec. 1.	{ STEEDMAN, HENRY PERCY, GORMANSTON ..	Partan, Church Road, Barnes.
1899 Apr. 11.	STEELE, WILLIAM JONES ..	City Engineer's Office, Bristol.
1893 Mar. 7.	STEPHEN, FREDERIC WILBER ..	Ry. Dept., Petersburg, So. Australia.
1883 May 29.	*STEPHEN, JAMES BROWN ..	Lancing, Worthing.
1894 May 1.	STEPHEN, JAMES HENRY ..	Leigh, Lancs.
1898 Apr. 5.	STEPHENS, CHARLES THOMAS ..	Cairns, North Queensland.
1886 Dec. 7.	{ STEPHENS, FREDERICK OR- LANDO ..	Panling & Co., Box 713, Cape Town, C.C.
1891 Dec. 4.	*STEPHENS, HOLMAN FRED ..	Light Railway Office, Tonbridge.
1888 Dec. 4.	*STEPHENSON, EDMUND PALEY ..	Town Hall, Llandudno.
1898 Mar. 1.	STEPHENSON, EDWARD ..	Bowes Scott & Western, Broadway Chambers, Westminster, S.W.
1887 May 3.	{ STEPHENSON, JOSEPH GURDON, LEYCESTER ..	4 Dordrecht Mansions, Brook Green, W.
1894 Dec. 4.	*STEPHENSON, RALPH HARRY ..	Ferguson & Co., Short St., Leicester.
1897 Mar. 2.	STERICKER, WALTER PERCHARD ..	Trinity Lodge, Ipswich.
1886 Feb. 2.	*STERLING, WILLIAM ..	Town Hall, Chapel-en-le-Frith.
m ♫ 1896 Dec. 1.	*STEVEN, JOHN WILSON ..	{ 9 Prince's Terrace, Dowanhill, Glas- gow.
1885 May 5.	STEVENS, PERCIVAL ..	P.W.D., Port of Spain, Trinidad.
1869 Jan. 12.	STEVENS, WARWICK ALAN ..	237 Southwark Bridge Rd., S.E.
1899 Dec. 5.	{ *STEVENSON, GEORGE HAROLD, B.Sc. ( <i>Edin.</i> ) ..	Assam-Bengal Ry., Chittagong, India.
1874 Apr. 14.	STEVENSON, JOHN ..	48 Park Place, Cardiff.
1881 Mar. 1.	STEVENSON, SIDNEY EVANCE ..	Gas Co., Devonport.
m ♫ 1901 Mar. 5.	*STEWART, ANGUS MATHESON ..	{ Samana & Santiago Ry., Sanchez, San Domingo.
1894 Feb. 6.	STEWART, JOHN EDWIN ..	{ John Bogart, 40 Wall Street, New York, U.S.
1892 Apr. 5.	STEWART, JOHN VAUGHAN ..	Harbour Office, Llanelli.
1899 Dec. 5.	STEWART, PERCY CHARLES ..	{ L. & N. W. Ry., 9 Walton's Parade, Preston.
1891 Dec. 1.	*STEWART, THOMAS ..	Harbour Works, Port Elizabeth, C.C.
1889 Jan. 8.	*STICKLAND, ERNEST ALBERT ..	Boro' Surveyor, Windsor.



Date of  
Election.

## ASSOCIATE MEMBERS.

1896 Dec.	1.	{ SUTHERLAND, ALEXANDER CHARLES, M.A., M.C.E. ( <i>Melb.</i> ) }	Inspector of Mines Office, Johannesburg, Transvaal.		
1895 Dec.	3.	*SUTHERLAND, JAMES .. ..	P.W.D., Moulmein, Burma.		
1894 May 22.		SUTHERLAND, JOHN ROBERTSON ..	45 John Street, Glasgow.		
1886 Dec.	7.	SUTTON, JOSEPH WALKER ..	36 Bedford Street, Strand, W.C.		
1895 Dec.	3.	SUTTOR, JOHN BLIGH ..	Existing Rys., Sydney, N.S.W.		
† 1885 Mar.	3.	*SWAINSON, JOHN HENRY ..	{ 58 Church Street, Egremont, Cheshire.		
1899 Dec.	5.	SWARBRICK, ROBERT ALFRED ..	117 The Avenue, Ealing, W.		
1901 Dec.	3.	*SWAYNE, GERALD .. ..	Lanesboro', Guildford.		
1896 Dec.	1.	SWINBURNE, GEORGE .. ..	99 Queen St., Melbourne, Victoria.		
1892 Dec.	6.	{ *SYKES, CHARLES FREDERICK, F.C.H. .. .. .. .. }	c.o. H. S. King & Co., 45 Pall Mall, S.W.		
† 1888 Dec.	4.	SYKES, CLEMENT MORISCRIP ..	{ State Engineer, Jamnagar, Kathiawad, India.		
1888 Jan.	10.	SYKES, EDWARD .. ..	District Council, Cheadle, Manchester.		
1896 Dec.	1.	SYKES, ERNEST .. ..	70 Dragon Avenue, Harrogate.		
1897 Jan.	12.	*SYKES, JOSEPH CHARLES ..	21 Ardbeg Road, Herne Hill, S.E.		
1901 Apr.	2.	{ SYMMERS, DAVID McTAGGART, M.A. ( <i>Aberdeen</i> ) .. .. .. .. }	Harbour Engineer's Office, Aberdeen.		
1892 Mar.	1.	*SYMONS, PERCY WILSON ..	113 Cannon Street, E.C.		
1894 Mar.	6.	SYMONS, DIOGO ANDREW ..	9 Bridge Street, Westminster, S.W.		
1890 Mar.	4.	{ *SYNGE, ROBERT ANTHONY, B.A. ( <i>Dubl.</i> ) .. .. .. .. }	{ Edward Synge, Estates Office, Kingscourt.		
1888 Dec.	4.	SYSON, ROBERT COCKBURN ..	Leamington Cottage, Bearsden Glasgow.		
1897 Apr.	6.	SZLUMPER, CHARLES DAVID ..	17 Victoria Street, S.W.		
1895 Jan.	8.	*TABOR, EDWARD HENRY ..	Fennes, Braintree, Essex.		
1887 Dec.	6.	TAITE, JOHN CHARLES ..	63 Queen Victoria Street, E.C.		
† t † 1890 Dec.	2.	TANABE, Professor SAKURO ..	Kioto University, Japan.		
1882 Dec.	5.	TANDY, JOHN O'BRIEN ..	{ 4 Wellington Villas, Wellington Square, Crewe.		
1886 Dec.	7.	TAPLAY, HERMAN .. ..	11 Mill Bank, Wellington, Salop.		
1896 Mar.	3.	*TARGET, FELIX ALEXANDER ..	Dashwood House, New Broad St., E.C.		
1901 Dec.	3.	*TARRANT, ERNEST ARTHUR ..	6 Meadow Road, S. Lambeth, S.W.		
1891 Dec.	1.	TATE, HERBERT WILLIAM ..	405 Cheetham Hill Rd., Manchester.		
1893 Dec.	5.	TATE, JOHN .. .. .. ..	E. Henniker, 7 Mincing Lane, E.C.		
1887 Jan.	11.	TATE, WALTER HOWARD ..	Taiping, Perak, S.S.		
1893 Dec.	5.	{ TAYLER, ALEXANDER JAMES, WALLIS .. .. .. .. }	99 Belsize Road, N.W. [Bradford.		
1896 Dec.	1.	TAYLOR, ARTHUR JOSEPH ..	6 Apsley Crescent, Manningham,		
1885 Feb.	3.	TAYLOR, CHARLES .. .. ..	{ 37 Uttoxeter New Road, Derby, (Taylor Gas. Derby.)		
1897 Dec.	7.	{ *TAYLOR, DAVID GUILLAND, B.Sc. ( <i>Glas.</i> ) .. .. .. .. }	H.M. Naval Yard, Wei-Hai-Wei, China.		
III 1902 Apr.	8.	{ *TAYLOR, FRANK COSTON, B.A. ( <i>Cantab.</i> ) .. .. .. .. }	25 George Street, Cheetham Hill, Manchester.		
1887 May	3.	*TAYLOR, GUY NOBLE .. ..	Child & Co., 1 Fleet Street, E.C.		
1897 Jan.	12.	TAYLOR, HARRY WILLIAM ..	{ St. Nicholas Chambers, Amen Corner, Newcastle-on-Tyne.		
1885 May 19.		TAYLOR, HENRY .. .. ..	District Council, Clevedon, Somerset.		
1899 Apr.	11.	*TAYLOR, JOHN CHARLES, R.N.R	{ Askew Hill, Repton, Burton-on-Trent.		
1886 Apr.	6.	*TAYLOR, ROBERT CHARLES ..	St. James's Gate Brewery, Dublin.		
1886 Jan.	12.	TAYLOR, ROBERT HENRY ..	Admiralty Harbour Works, Dover.		
1889 May	7.	*TAYLOR, WILLIAM JAMES ..	{ County Surveyor, The Castle, Winchester.		
1879 Apr.	1.	TEASDEL, JAMES EDWIN ..	3 Queen Street, Great Yarmouth.		
1901 Mar.	5.	*TEMPLE, LEONARD .. ..	Fraser House, Forest Gate, E.		

Date of Election.	ASSOCIATE MEMBERS.	
1891 May 5.	TEMPLER, CHARLIE LIONEL ..	48 Newbold Road, Rugby.
1886 May 18.	{ *TEMPLETON, EDWIN ARTHUR SLADE, M.A. ( <i>Dubl.</i> ) .. .. }	
1897 Apr. 6.	*TERRY, ALFRED JOHN ..	73 Beeston Hill, Leeds.
1902 Apr. 8	THAIN, WILLIAM ARTHUR ..	University College, Cardiff.
1888 Dec. 4.	*THOMAS, ARTHUR DREW ..	Staplake, Starcross, South Devon.
1899 Dec. 5.	THOMAS, ARTHUR EDMUND ..	{ Wenvoe, Canterbury Park, Balwyn, Victoria.
1881 Feb. 1.	THOMAS, CHARLES HENRY ..	{ Brecon & Merthyr Ry., Tredegar Chambers, Newport, Mon.
1881 May 31.	THOMAS, CHARLES NEUMANN ..	The Anchorage, St. James, Kalk Bay, Cape Colony.
1896 May 5.	THOMAS, DAVID PROSSER ..	{ Islwyn House, Llantwit Vardre, Pontypridd.
1891 Apr. 7.	THOMAS, ELIJAH, <i>Fleet Eng. R.N.</i>	Holborn Villa, Sheerness.
1877 May 29.	THOMAS, HERBERT OLIVER ..	Town Hall, Woolwich.
1899 Dec. 5.	{ *THOMAS, HUBERT ROBERT, B.Sc. ( <i>Victoria</i> ) .. .. .. }	1 Avenue Road, Wolverhampton.
1890 Dec. 2.	THOMAS, JOHN .. .. ..	32 Fisher Street, Swansea.
1896 Dec. 1.	THOMAS, JOHN FREDERICK IVOR	35 Kirkstall Road, Streatham, S.W.
1860 May 22.	THOMAS, JOSEPH LEE ..	2 Hanover Terrace, Ladbroke Sq., W.
1901 Dec. 3.	THOMAS, ORLANDO VENNING ..	P. W. D., Penang, S.S.
1883 Dec. 4.	THOMAS, PHILIP ALEXANDER ..	46 Queen Victoria Street, E.C.
1901 Apr. 2.	THOMAS, THOMAS GEORGE HOWES	{ 242 Trinity Road, Wandsworth Common, S.W.
1889 Dec. 3.	THOMAS, THOMAS JAMES ..	Town Surveyor, Ebbw Vale, Mon.
1891 Mar. 3.	THOMAS, TREVOR FALCONER ..	9 Mount Stuart Square, Cardiff.
† 1889 May 7.	THOMAS, WILLIAM .. .. ..	Perranporth, Cornwall.
1887 Jan. 11.	{ THOMAS, WILLIAM EDMOND, CLASON .. .. .. .. }	Brynhafod, Neath, South Wales.
1896 Dec. 1.	*THOMAS, WILLIAM MATTHEWS	Jehanabad, Shahabad, Bengal.
1887 Dec. 6.	THOMLINSON, JOHN HUTTON ..	Gasworks, Brisbane, Queensland.
1883 May 29.	THOMPSON, ALBERT GEORGE ..	4 Strathmore Gardens, Bognor.
1886 Feb. 2.	*THOMPSON, GEORG William	8 Belmont Road, Wallington, Surrey.
1880 Dec. 7.	THOMPSON, HENRY GEORGE ..	38 Parliament Street, S.W.
1895 Dec. 3.	*THOMPSON, JOHN .. .. ..	Rose Hill, Heysham, Morecambe.
† 1894 Dec. 4.	*THOMPSON, JOHN, JUN. ..	Harbour Engineer, Dundee.
m † 1883 Feb. 6.	*THOMPSON, JOHN AUGUSTUS ..	9 Billiter Square, E.C.
1894 Mar. 6.	{ *THOMPSON, JOHN EDWARD, OAKES .. .. .. .. }	Fairfield Road, Stockton Heath, Warrington.
† 1893 Apr. 11.	THOMPSON, ROBERT WILLIAM	St. Thome, Madras.
1888 May 15.	THOMPSON, WILLIAM ..	1 Great Winchester Street, E.C.
t † 1886 Dec. 7.	{ THOMPSON, WILLIAM MANN, M.A., B.E. ( <i>Sydney</i> ) .. .. }	159 Brougham Street, Woolloomooloo, Sydney, N.S.W.
1894 Feb. 6.	THOMSON, AMBROSE HEPBURN	Court House, Marylebone Lane, W.
1889 Mar. 5.	*THOMSON, ARTHUR SACKVILLE	King, Hamilton & Co., Calcutta.
1900 Apr. 3.	THOMSON, GEORGE .. .. ..	{ 3 Woodburn Terrace, Morningside, Edinburgh.
1901 Apr. 2.	THOMSON, GILBERT, M.A. ( <i>Edin.</i> )	164 Bath Street, Glasgow.
1889 Jan. 8.	THOMSON, JAMES .. .. ..	22 Rutland Square, Edinburgh.
1871 Apr. 4.	THOMSON, JOHN .. .. ..	Grindal Place, St. Bees, Carnforth.
1899 Dec. 5.	THORBURN, WILLIAM .. ..	Luchana Mining Co., Bilbao, Spain.
1876 May 30.	THORNE, ALFRED .. .. ..	7 Carteret Street, Westminster, S.W.
1900 Apr. 3.	THORNHILL, WALTER EDWARD	4 Church Street, Northgate, Chester.
1891 Dec. 1.	*THORNTON, JOHN ARTHUR ..	N. E. Ry., York.
1893 Dec. 5.	*THORNTON, STANHOPE EVELYN	{ Taite-Howard Pneumatic Tool Co., 136 Tooley Street, S.E.
1899 Dec. 5.	*THORNYCROFT, JOHN EDWARD	Homefield, Chiswick, W.
1893 Dec. 5.	*THORP, RICHARD FENWICK ..	Munaar, Devikolam P.O., India.
1886 Apr. 6.	*THORPE, ROBERT HENRY ..	{ 97 Cedar St., New York, U.S. (Thorpe- latt, New York.)
1890 Jan. 14.	THORPE, WILLIAM HENRY ..	{ 60 Winsham Street, Clapham Com- mon, S.W.

Date of Election.	ASSOCIATE MEMBERS.	
1902 Feb. 4.	{ *THRELFALL, HAROLD SPENCER, M.Sc. ( <i>Victoria</i> ) .. .. ..	Admiralty Offices, Keyham Extension, Devonport.
1895 Dec. 3.	{ THRELFALL, Professor RICHARD, M.A. ( <i>Cantab.</i> ) .. .. ..	30 George Road, Egbaston, Birmingham.
1898 Dec. 6.	{ *THRING, LEONARD GODFREY PINNEY, B.A. ( <i>Cantab.</i> ) .. .. ..	Plonecks Hill, Shamley Green, Guildford.
1889 Feb. 5.	*THRUPP, EDGAR CHARLES .. .. ..	39 Victoria Street, S.W.
1895 Jan. 8.	*THURSFIELD, FRANCIS .. .. ..	Ravenscroft, Liverpool Rd., Chester.
1880 Dec. 7.	*THWAITE, BENJAMIN HOWARTH .. .. ..	{ 29 Great George Street, S.W. (Calcination, London.)
1889 Dec. 3.	TICKELL, GEORGE TEMPLER .. .. ..	P.W.D., Selangor, S.S.
1893 Feb. 7.	TIDD, ERNEST GEORGE .. .. ..	25 Gordon Street, Glasgow.
1890 Dec. 6.	*TIDDEMAN, EDMUND SPENSER .. .. ..	14 Elgin Road, Ilford, E.
1896 Dec. 1.	TIFFIN, THOMAS EDWARD .. .. ..	York Road, West Hartlepool.
1867 Dec. 3.	TIJOU, WILLIAM .. .. ..	{ 52 Tavistock Terrace, Upper Holloway, N.
1893 May 16.	*TILL, GUY LAURENCE .. .. ..	City Surv.'s Office, Birmingham.
1891 Dec. 1.	TAILLEY, ALBERT .. .. ..	15 Fair Oak Avenue, Newport, Mon.
1889 Apr. 2.	*TIMMINS, ARTHUR .. .. ..	Bridgewater Foundry, Runcorn.
1896 Mar. 3.	TIMMINS, THOMAS .. .. ..	{ Dorman, Long & Co., Moray St., South Melbourne, Victoria.
1899 Apr. 11.	TIMMIS, EDGAR WILLIAM .. .. ..	{ 2 Great George Street, Westminster, S.W.
1890 May 20.	{ TIMONOFF, Professor VSEVOLOD DE .. .. .. .. ..	Ministère des Voies de Communication, Fontanka 117, St.Petersburg.
1875 Mar. 2.	*TINTORER GIBERGA, JOSÉ .. .. ..	Asalto 12, Barcelona, Spain.
1894 Dec. 4.	*TIPLADY, RICHARD CLEMENT .. .. ..	{ 3 Idrene Terrace, Blackrock, co. Dublin.
1893 May 2.	*TIPPETT, ARTHUR MAY .. .. ..	Govt. Rys., Port Elizabeth, C.C.
1900 Apr. 3.	*TIPPETTS, RUSSELL .. .. ..	{ S. Pearson & Son, Obras del Puerto, Vera Cruz, Mexico.
1887 Jan. 11.	TIVOLI, JOSEPH WILLIAM DE ..	Tezpur-Balipara Ry., Tezpur, Assam.
1880 Mar. 2.	*TODI, AUGUSTUS BYTHESEA .. .. ..	Quarry Park, Grampound.
1890 May 20.	TODD, WILLIAM HENRY .. .. ..	Land of Green Ginger, Hull.
1901 Mar. 5.	*TOLHURST, PHILIP WALMSLEY .. .. ..	Northfleet House, Northfleet.
1896 May. 5.	TOMES, GEORGE BRUCE .. .. ..	District Council, Mortlake, S.W.
1890 Apr. 1.	TOMKINS, WILLIAM HENRY .. .. ..	Cottesmore, Roydon, Essex.
1896 Dec. 1.	*TONGE, HAROLD ASHETON .. .. ..	{ 5 Brendon House, Great Woodstock Street, W.
1881 May 31.	TONGE, JAMES .. .. .. ..	{ Court Chambers, Mawdsley Street, Bolton. [Preston.
1897 Mar. 2.	*TONGE, JOHN HENRY .. .. ..	21 Lower Bank Road, Fulwood.
1881 May 31.	TONKIN, WALTER WILLIAM .. .. ..	5 Grove Road, Brixton, S.W.
1892 Dec. 6.	{ TOOKER, HUGH POLLOCK, B.E. ( <i>Queen's</i> ) .. .. ..	P.W.D., Hong Kong.
1894 Dec. 4.	TOOMER, JOSEPH FLETCHER .. .. ..	Apartado 50, Vera Cruz, Mexico.
1893 Mar. 7.	{ *TOOTH, STANLEY, M.A. ( <i>Cantab.</i> ) .. .. ..	Clare Grange, Prideaux Road, Eastbourne.
1899 Jan. 10.	{ TOOZS, JAMES WILLIAM LAWRENCE .. .. ..	Bitterne, Wellington Road, Bournemouth.
† 1885 Dec. 1.	*TOPHAM, FRANCIS DAVID .. .. ..	H. S. King & Co., 65 Cornhill, E.C.
1899 Dec. 5.	*TOPHAM, THOMAS EDWARD .. .. ..	{ J. J. Topham, Moore Road, Durban, Natal.
1873 Dec. 2.	*TOPHIS, FREDERICK .. .. ..	60 Crouch Hill, N.
1878 Feb. 5.	*TORRENS, GERARD PHILIP .. .. ..	19 Queensberry Place, S.W.
1890 Dec. 2.	TOUCHON, AUGUSTE .. .. ..	14 Caixa do Correio, Rio de Janeiro.
1894 Dec. 4.	TOWLSON, SAMUEL .. .. ..	Local Board, Cheshunt.
1880 Mar. 2.	{ *TOWNESEND, CHARLES JOHN HENRY FYLER .. .. ..	Baurah Post Office, Jalpaiguri, Bengal.
1900 Jan. 9.	{ TOWNSEND, EDWARD IIUME, B.A.I. ( <i>Dubl.</i> ) .. .. ..	The Rectory, Skibbereen, co. Cork.

Date of Election.	ASSOCIATE MEMBERS.	
1875 Jan. 12.	*TOWNSEND, FRANCIS EDWARD	Little Langtons, Chislehurst.
1885 Jan. 13.	TOWNSEND, HARRY .. ..	Gasworks, Wakefield.
† 1884 Dec. 2.	{ TOWNSHEND, BERNARD O'DRIS- COLL .. .. .. ..	72 Durnford Street, Stonehouse, Devon.
1893 Feb. 7.	TRavers, THOMAS PATRICK ..	Gasworks, Cork.
1890 Apr. 1.	TREGLOWN, CHARLES HOCKIN ..	38 Wretham Road, Handsworth.
1897 Apr. 6.	{ *TRENCH, ERNEST FREDERIC CROSBIE, B.A.I. ( <i>Dubl.</i> ) ..	Engineer's Office, Midland Ry., Derby.
1886 Jan. 12.	TRENCH, GILBERT KENNEDY ..	187 Barry Rd., East Dulwich, S.E.
1897 Feb. 2.	TRENCARD, HENRY GOTTUREX ..	Aberglasslyn, W. Maitland, N.S.W.
1893 May 16.	TRYER, EUGENE HORACE ..	{ Calle Sucre 1915, Belgrano, Buenos Aires.
1894 Dec. 4.	TRESTRAIL, NICHOLAS .. ..	Claremont Road, Redruth.
1899 Dec. 5.	TREW, GEORGE HARRY MALE ..	Director of Works Dept., 21 North- umberland Avenue, W.C.
1881 May 31.	TRIER, FRANK HENRY JULIUS ..	1 Great George Street, S.W.
† 1894 Mar. 6.	TRIFFITT, JOHN .. .. ..	N.E. Ry., Eng.'s Office, York.
1899 Dec. 5.	{ *TRIMINGHAM, NORMAN STEWART PAGET .. .. ..	P.W.D., Hong Kong.
1892 Apr. 5.	*TRISTRAM, CHARLES FRANCIS ..	Lamia, Greece.
1898 Apr. 5.	TROUNSON, JOHN CARDELL ..	Municipal Offices, Plymouth.
1901 Dec. 3.	*TRUBSHAW, CHARLES KENNETH ..	Engineer's Office, Midland Ry., Derby.
1892 Dec. 6.	*TRYE, CHARLES BRANDON ..	{ Eng.'s Office, Midland Ry., Apperley Bridge, Leeds.
1883 Dec. 4.	TUCK, Rev. EDMUND HENRY ..	107 Tyrwhitt Road, S.E.
m 1897 Apr. 6.	*TUCKER, PIERCE JOSEPH .. ..	Fairlawn, Molescroft, Beverley.
1892 May 3.	TUCKER, ROBERT BOUCHER ..	39 Hyde Vale, Greenwich, S.E.
1901 Feb. 5.	{ TUCKEY, WILLIAM ROBINSON TOWNSEND, B.E. ( <i>Royal</i> ) ..	Municipal Buildings, Tientsin, China.
1892 Dec. 6.	TUCKWELL, JOHN MORRISON ..	{ J. Graham, 2 Linwood Terrace, Glasgow St., Hillhead, Glasgow.
1891 Dec. 1.	TUDHOPE, ALFRED DRYDEN ..	Sir Lowry's Pass, Cape Colony.
t † 1882 Feb. 7.	*TUFNELL, CARLETON FOWELL ..	Iver, Kenley, Surrey.
1878 May 28.	TUNSTALL, JOHN .. .. ..	{ 141 Lordship Road, Stoke New- ington, N.
1894 Dec. 4.	TURLEY, ARTHUR CLIFFORD ..	City Surveyor, Canterbury.
1890 Dec. 2.	*TURNBULL, NICHOLAS KING ..	Bradford Ironworks, Manchester.
1869 Mar. 2.	TURNER, FRANK .. .. ..	Bracondale, Ontario, Canada.
1873 May 20.	TURNER, FRANK DE MIERRE ..	Oporto, Portugal.
1884 Dec. 2.	*TURNER, JOHN HARRISON ..	82 Algernon Road, Lewisham, S.E.
m 1875 Mar. 2.	*TWEEDIE, WILLIAM .. .. ..	{ New Hamburg Ry., Porto Alegre, Brazil.
1890 May 6.	TWEEN, CHARLES NELSON ..	Goddards, Widford, Ware, Herts.
1894 Feb. 6.	TWIDDY, JAMES HANDFIELD ..	Box 192, Klervsdorp, Transvaal.
m † 1893 Apr. 11.	*TWINBERROW, JAMES DENIS ..	{ 15 New Bridge Street, Newcastle-on- Tyne.
1896 May 5.	TYLER, EDWARD HENRY ..	Kola Gold Fields, Mysore, India.
1902 Feb. 4.	*TYLEY, FREDERICK JOHN ..	{ Engineer's Office, G.W. Ry., Pad- dington, W.
1894 Dec. 4.	TYRRELL, JAMES HENRY ..	{ City and Suburban Tramway, Johannesburg, Transvaal.
1890 May 6.	TYZACK, DAVID .. .. ..	Bellingham, Northumberland.
1877 Feb. 6.	UHAGON, RECARERO DE .. ..	Plaza Eliptica, Bilbao. [S.E.
1895 Dec. 3.	*UMNEY, HERBERT WILLIAMS..	19 Sylvan Road, Upper Norwood,
1893 Dec. 5.	{ *UNDERWOOD, WILLIAM ELPHIN- STONE .. .. .. ..	Thos. Cook & Son, Durban, Natal.
1892 Feb. 2.	UNSWORTH, WILLIAM .. ..	7 Chevin Road, Walton, Liverpool.
1870 Dec. 6.	UNWIN, HERBERT .. .. ..	Dowdeswell Court, Andoversford, Glos.
1893 Dec. 5.	UPTON, PRESCOTT .. .. ..	Box 1026, Johannesburg, Transvaal.

Date of  
Election.

## ASSOCIATE MEMBERS.

1884 Dec.	2.	*VACHELL, THEODORE .. ..	34 Bridge Street, Newport, Mon.
1879 Mar.	4.	*VACHER, HERBERT PERKINS ..	Vulcan Ironworks, Winchester.
1897 Dec.	7.	*VALON, WALTER ARTHUR ..	Conyers, Church Road, Ashford.
1875 May	4.	{ VALON, WILLIAM ANDREW MCINTOSH .. .. .. ..}	140 Temple Chambers, E.C. [N.
† 1858 Dec.	7.	VARLEY, SAMUEL ALFRED ..	Arrow Works, Jackson Rd., Holloway,
1892 Dec.	6.	VASSALLO, ANDREA .. ..	163 Strada Forni, Valletta, Malta.
1902 Jan.	14.	{ *VAUGHAN, CEDRIC GEORGE, M.A. ( <i>Cantab.</i> ) .. .. .. ..	{ Hodbarrow Mines, Millom, Cumber- land.
1894 Jan.	9.	*VAUGHAN-LEE, ALEC GEORGE ..	Admiralty Harbour Works, Dover.
1902 Feb.	4.	{ *VAWDREY, ROBERT WILLIAM, B.A. ( <i>Cantab.</i> ) .. .. .. ..	{ Middleton, Hunter & Duff, 42 Frederick Street, Edinburgh.
1890 Feb.	4.	VEASEY, THOMAS FREDERICK ..	
1874 Dec.	1.	VEEVERS, HARRISON .. ..	The Lakes, Dukinfield.
1894 May	1.	VENN, ERNEST GALE .. ..	{ Mrs. Davy, 20 Raleigh Road, Exeter.
1899 Jan.	10.	{ *VENTERS, WILLIAM BEATTIE, B.Sc. ( <i>Glas.</i> ) .. .. .. ..	Assam-Bengal Ry., Lumding, Assam.
1878 Apr.	2.	*VENTRIS, ARTHUR .. ..	{ Campion, Arkwright Rd., Hampstead, N.W.
1888 May	1.	{ *VERDON, ARTHUR LAWRENCE, RIDLEY .. .. .. ..	c.o. Messrs. J. Simpson & Co., 101 Grosvenor Road, S.W.
1893 Feb.	7.	{ *VEREKER, FREDERICK JAMES, WELLINGTON .. .. .. ..	H.M. Dockyard Extension, Gibraltar.
1895 Mar.	5.	*VERNET, CHARLES CONSTANT ..	Western Railway, Havana, Cuba.
1893 May	16.	VERNON, CHARLES EDWARD ..	Tresebo, Plaistow, E. [Buenos Aires.
1889 Jan.	8.	VERSCHOYLE, BERESFORD ..	F. C. Rosario, Avenida de Mayo 748,
1891 Mar.	3.	*VESIAN, JOHN STUART ELLIS DE	{ 20 New Bridge Street, E.C. (Biceps, London.)
1891 Dec.	1.	VIBART, GEORGE .. ..	South Malabar Ry., Bangalore, India.
1891 Apr.	7.	*VICARS, JAMES, M.E. ( <i>Sydney</i> ) ..	City Surveyor, Adelaide, S. Australia.
1896 Feb.	4.	*VICKERS, JAMES WARRY ..	Finsbury Square Buildings, E.C.
1893 Dec.	5.	*VIGERS, ARTHUR EVAN ..	{ 25 Victoria St., S.W. (Westminster, 423.)
1896 Dec.	1.	VILLIERS, BERTRAM MONTAGU ..	{ 13 Furness Road, Fallowfield, Manchester.
1896 Apr.	14.	{ *VILLIERS-STUART, MAURICE, AMBROSE .. .. .. ..	Ministry of Finance, Zagazig, Egypt.
1897 Mar.	2.	*VINCENT, SAMUEL JOSEPH LEE ..	Boro' Surveyor, Newbury.
1877 Dec.	4.	*VINT, GEORGE EDWARD ..	53 Victoria Street, S.W.
1886 Jan.	12.	{ *VINTER, WALTER FREDERICK, B.A. ( <i>Cantab.</i> ) .. .. .. ..	Glenville, Walton-on-Thames.
1894 Jan.	9.	{ VIQUEIRA, JOSÉ LOPEZ-CORTON, B.A. ( <i>Madrid</i> ) .. .. .. ..	Plaza de Orense, La Coruña, Spain.
1887 May	3.	{ VISVESVARAIYA, MOKSHAGUN- DAM, B.A. ( <i>Madras</i> ) .. .. .. ..	P.W.D., Poona, India.
1868 Dec.	1.	VIVIAN, HENRY ANDREW ..	Hugh Vivian, Camborne, Cornwall.
1880 Apr.	6.	VIVIAN, WALTER MORRISON ..	Westernlea, Westward Ho, Devon.
1887 Jan.	11.	*VOGAN, HAROLD SEBASTIAN ..	Ry. Dept., Bridge St., Sydney, N.S.W.
1902 Jan.	14.	{ VOLLMER, GEORGE FREDERICK, M.Sc. ( <i>Victoria</i> ) .. .. .. ..	Box 19, Cheyenne, Wyoming, U.S.
1882 Dec.	5.	*VOYSEY, HENRY WESLEY ..	{ 53 Westberro Road, West Hamp- stead, N.W.
† 1887 Dec.	6.	*WACKRILL, ALFRED EDWARD ..	{ Surveyor-General's Office, Colombo, Ceylon.
1888 Feb.	7.	*WADDELL, GEORGE .. ..	P. W. D., Colombo, Ceylon,
1890 Dec.	2.	WADDELL, WILLIAM .. ..	5 Romilly Road, Barry, Cardiff.
1883 Dec.	4.	*WADDINGTON, RICHARD ..	{ 35 King William Street, E.C. (Bank 518.)
1888 Feb.	7.	*WADDINGTON, SAMUEL SUGDEN ..	7 Derwent Road, Anerley, S.E.

Date of Election.	ASSOCIATE MEMBERS.	
1893 May 2.	{ *WADE, EDWARD HYDE ROBERT WYBRANTS .. .. .. .. ..	Railway Avenue, Colombo, Ceylon.
1894 May 1.	*WADE, HENRY JAMES SEATON ..	H.M. Dockyard, Gibraltar.
1894 Dec. 4.	*WADE, JAMES SCARGILL .. ..	Railway Dept., Sydney, N.S.W.
1889 Dec. 3.	{ WADE, LESLIE AUGUSTUS BUR- TON .. .. .. .. ..	Water Conservation Branch, Mines Dept., Sydney, N.S.W.
1900 Mar. 6.	WADE, ROWLAND, B.A.I. ( <i>Dubl.</i> ) ..	4 Windsor Hill, Newry, co. Down.
1896 Mar. 3.	WADE, WILLIAM REGINALD ..	49 Prospect Place, Pembroke Dock.
1898 Dec. 6.	WADLEY, ALFRED JOHN .. ..	P.W.D., Shahpur, Punjab.
1898 Mar. 1.	WAGSTAFF, EDWARD WYNTER ..	Railway, Rangoon, Burma.
1894 Mar. 6.	WAGSTAFF, WILLIAM HENRY ..	57 Salter Gate, Chesterfield.
1899 Dec. 5.	WAIGHT, EARLE ROBERTS ..	Engineer's Office, S.E. Ry., London Bridge, S.E.
1897 Apr. 6.	WAINWRIGHT, HARRY SMITH ..	Loco. & Carriage Dept., S. E. & C. & D. Rys., Ashford.
1898 Dec. 6.	WAINWRIGHT, JOHN WILLIAM ..	Kyngstone, Park Road, Hale, Cheshire.
1894 Mar. 6.	{ *WAITE, EDWARD WILLIAM WILKINS .. .. .. .. ..	Gas & Waterworks, Barry, Cardiff.
1882 May 23.	*WAKEFIELD, HENRY TYNDALL ..	County Council, Spring Gardens, S.W.
1894 Feb. 6.	WAKEFORD, JOHN PERCY ..	Town Hall, Bilston.
1888 Apr. 10.	WALDRON, FRANK WILLIAM ..	P.W.D., Cape Town, Cape Colony.
m ♫ 1896 May 19.	*WALES, WILLIAM GARNEYS ..	Resident Engineer's Office, Kew Bridge, S.W.
1897 Apr. 6.	WALKER, ALBERT HARRY ..	Boro' Surveyor, Loughborough.
1888 Dec. 4.	WALKER, ALEXANDER ..	Arauco Co., Coronel, Chili.
1890 Mar. 4.	WALKER, ALEXANDER THOMSON ..	Waterworks, Reading.
1884 Dec. 2.	WALKER, HERBERT .. .. ..	Newcastle Chambers, Nottingham.
1901 Apr. 2.	{ WALKER, HORATIO EDGAR DAWSON .. .. .. .. ..	Engineer's Office, G.N.R., 74 Wellington Street, Leeds.
1900 Dec. 4.	*WALKER, JOAH HAIGH .. ..	L. & N. W., and G. W. Rys., Shrews- bury.
1892 Apr. 5.	WALKER, JOSEPH ROBERT ..	15 Great George Street, S.W.
1891 Dec. 1.	*WALKER, MURRAY .. .. ..	Box 97, Cape Town, C.C.
1879 Dec. 2.	WALKER, ROBERT .. .. ..	17 South Mall, Cork.
1891 Dec. 1.	{ *WALKER, ROBERT, Jun., B.E. ( <i>Royal</i> ) .. .. .. ..	17 South Mall, Cork.
1900 Dec. 4.	*WALKER, ROBERT WILLIAMSON ..	3 Golden Square, Aberdeen.
1885 Dec. 1.	WALKER, SYDNEY FERRIS ..	12 Leinster Square, W.
1883 Dec. 3.	WALKER, WILLIAM .. .. ..	Lansdowne Crescent, Hobart, Tas- mania.
1896 Feb. 4.	WALKER, WILLIAM DOUGLAS ..	Ry. Construction Dept., Sydney, N.S.W.
♫ 1895 May 21.	WALKER, WILLIAM GEORGE ..	{ 47 Victoria Street, S.W. ( <i>Versuchen</i> , London).
1900 Jan. 9.	{ *WALKER, WILLIAM MONT- GOMERY, B.E. ( <i>Royal</i> ) .. ..	Burton Port Railway, Treinta, Letterkenny, co. Donegal.
1875 Dec. 7.	*WALKER, ZACCHEUS .. ..	Fox Hollies Hall, nr. Birmingham.
1894 Feb. 6.	WALL, BENSON PARSKICK ..	6 Richmond Road, Bedford.
1879 May 7.	WALLACE, ALEXANDER .. ..	Woodsdale, Battle, Sussex.
1880 Dec. 7.	*WALLACE, JOHN HENRY ..	Cliffdale, Highlands Station, Natal.
1882 May 23.	*WALLACE, LAWRENCE AUBREY ..	H. S. King & Co., 45 Pall Mall, S.W.
1895 Dec. 3.	WALLACE, WILLIAM CARLILE ..	Atlas Works, Sheffield.
1893 Mar. 7.	*WALLER, ARTHUR HERBERT ..	Boro' Engineer's Office, Durban, Natal.
1895 May 21.	*WALLER, BERTRAM BRAUND ..	16 Dorville Road, Lee, S.E.
1896 Dec. 1.	WALLER, RICHARD FITZARTHUR ..	Magnet Mine, Waratah, Tasmania.
1894 Dec. 4.	*WALLICH, EDWARD HENRY ..	{ Welton, Christchurch Rd., Chelten- ham.
1884 May 27.	WALLINGTON, JAMES .. ..	Rua do Ouvidor 139, Rio de Janeiro.
1889 May 21.	WALLIS-JONES, REGINALD JOHN ..	36 Great George Street, S.W.

Date of Election.	ASSOCIATE MEMBERS.	
1879 Feb. 4.	WALLNUTT, RICHARD .. ..	{ Harold Street, Northcote, Melbourne, Victoria.
1883 Feb. 6.	{ *WALROND, THEODORE CHARLES TROUBRIDGE .. .. ..	{ 47 Victoria Street, S.W. (Logistics, London. Westminster 12.)
1885 Feb. 3.	*WALSH, CHARLES ARROWSMITH ..	King, Hamilton & Co., Calcutta.
1898 Apr. 5.	WALSH, CHARLES PEREGRINE ..	P.W.D., Shillong, Assam.
1894 Dec. 4.	WALSH, THOMAS LISTER .. ..	Cristobal, Kent Road, Harrogate.
1898 Dec. 6.	{ WALTER, LOUIS HEATHCOTE, M.A. ( <i>Cantab.</i> ) .. ..	83 Holland Park Avenue, W.
1886 Mar. 2.	*WALTERS, HARRY ERNEST ..	2 Great George Street, S.W.
1892 Dec. 6.	WARD, ARTHUR WILLIAM ..	Shandon, Merton Road, Southsea.
1889 May 7.	*WARD, EDWARD THOMPSON ..	Winnington Street, Northwich.
1891 Dec. 1.	*WARD, FREDERICK DARWENT ..	38 High Street, Welshpool.
1902 Apr. 8.	WARD, GODFREY .. ..	City Surveyor's Office, Birmingham.
1891 Dec. 1.	WARD, JAMES CARPENTER ..	Milford Docks, Milford Haven.
1892 May 24.	WARD, THOMAS .. ..	Grey Street, Wellington, N.Z.
1888 Dec. 4.	WARD, THOMAS HENRY .. ..	E.I. Ry., Giridih, India.
1885 Dec. 1.	*WARD, THOMAS RAWDON ..	P.W.D., Colombo, Ceylon.
1896 Jan. 14.	*WARD, THOMAS ROBERT JOHN ..	Irrigation Branch, P.W.D., Punjab.
1891 Dec. 1.	{ *WARD, THOMAS WILLIAM CHAPMAN, B.A., B.E. ( <i>Sydney</i> ) ..	{ Metropolitan Board of Water Supply and Sewerage, 341 Pitt Street, Sydney, N.S.W.
1884 Mar. 4.	*WARD, WILLIAM PETTIT .. ..	Hayes Lane, Bromley Common, Kent.
1887 Dec. 6.	*WARDE, CHARLES PARRY ..	P.W.D., Saidpore, Bengal.
1877 Dec. 4.	*WARDLE, JAMES WILLIAM ..	Borough Engineer, Longton.
1892 Jan. 12.	*WARDROP, CHARLES CAMPBELL ..	{ 1 Army and Navy Mansions, Victoria Street, S.W.
1887 Dec. 6.	WARE, GEORGE WEBB .. ..	H. G. Ry., Secunderabad, Deccan.
1895 Dec. 3.	WARE, STANLEY DAWSON ..	{ Pollavaram, Godavary District, Madras.
† 1898 Dec. 6.	WARK, WILLIAM .. ..	9 Macquarie Place, Sydney, N.S.W.
1888 Feb. 7.	{ WARNEFORD, REGINALD HENRY WILLIAM .. .. ..	P.W.D., Umballa, Punjab.
1888 Dec. 4.	WARNER, WILLIAM .. ..	Westwood, Clumber Road, Notting-
1890 Dec. 2.	*WARRACK, ROBERT .. ..	Portland, Oregon, U.S. [ham.
1897 Feb. 2.	*WARREN, HAROLD .. ..	2 St. Mary's Passage, Cambridge.
1897 Feb. 2.	{ *WARREN, HENRY BONIFINT GORDON .. .. ..	Old Castle Buildings, Liverpool.
1886 May 4.	*WARREN, JOHN ALEXANDER ..	94 Hope Street, Glasgow.
1885 May 19.	WARREN, WILLIAM .. ..	
1842 May 3.	WARRINER, HENRY .. ..	6 The Grove, Clapham Road, S.W.
1887 Dec. 6.	*WASEY, GEORGE KINDERSLEY ..	W. I. P. Ry., Mormugão, Goa, India.
1888 Jan. 10.	WATANABE, KAICHI, B.Sc. ( <i>Glas.</i> ) ..	{ 13 Omote-Sanchome, Akasaka, Tokio, Japan.
1899 Apr. 11.	{ WATERHOUSE, LAURENCE MAXWELL .. .. ..	{ 27 Avenue Elmers, Surbiton.
1890 Mar. 4.	{ WATERS, HORACE REGINALD, B.E. ( <i>Royal</i> ) .. .. ..	{ Eng.'s Office, Edenderry, King's Co.
1895 Feb. 5.	{ WATHEN, HENRY ARTHUR DOUGLAS .. .. ..	{ Waterton, Auchmill, Aberdeenshire.
1885 Apr. 14.	WATKEYS, GEORGE .. ..	Goring Road, Llanelli.
1897 Mar. 2.	WATKINS, ARTHUR ANDERSON ..	19 Old Queen St., Westminster, S.W.
1875 Dec. 7.	WATKINS, STEPHEN .. ..	Prince's Chambers, Wolverhampton.
1895 Feb. 5.	WATKINS, STEPHEN .. ..	Ottoman Railway, Smyrna.
1891 Dec. 1.	*WATKINS, WILFRID JOHN ARIS ..	{ 106 Chichele Road, Cricklewood, N.W.
1901 Apr. 2.	{ *WATNEY, GERARD NORMAN, B.A. ( <i>Cantab.</i> ) .. ..	Valence, Westerham, Kent.
m † 1899 Mar. 7.	*WATSON, ARTHUR .. ..	L. & Y. Ry., Bolton.
1898 Apr. 5.	WATSON, CHARLES .. ..	{ Faversham House, Bootham Stray, Yorks.

Date of  
Election.

## ASSOCIATE MEMBERS.

S t ♫	1891 Feb. 3.	WATSON, CLAUD ROBERT ..	..	2 Balmoral Terrace, Shaw Lane, Leeds.
	1896 Dec. 1.	*WATSON, FRANK LESLIE ..	..	Selwood, Rotherham.
	1893 Dec. 5.	WATSON, FREDERICK MACKMAN ..	..	21 Springfield Mount, Leeds.
	1894 Dec. 4.	*WATSON, GEORGE .. ..	..	15 Shaw Lane, Headingley, Leeds.
	1898 Mar. 1.	WATSON, JAMES FALSHAW ..	..	Tyburn, near Birmingham.
	1886 May 18.	*WATSON, JOHN DUNCAN ..	..	{ Puncard, Lowther & Co., Naval Dockyard Extension, Hong Kong.
	1896 Dec. 1.	WATSON, JOHN LOVEGOOD ..	..	F. C. Central, Buenos Aires.
	1899 Dec. 5.	*WATSON, JOHN WILLIAM ..	..	9 Chatfield Road, Croydon.
	1899 Apr. 11.	*WATSON, LEONARD KINGSLEY ..	..	{ Resident Engineer, Geraldton, Western Australia.
	1895 Apr. 2.	WATSON, THOMAS .. ..	..	88 Tyrwhitt Road, Brockley, S.E.
m ♫	1901 Apr. 2.	*WATSON, THOMAS AUBREY ..	..	53 Bothwell Street, Glasgow.
	1897 Apr. 6.	WATT, THOMAS HARKNESS ..	..	{ c.o. Watson & Co., 7 Waterloo Place, S.W.
	1878 Feb. 5.	*WATTS, GEORGE KEMPTHORNE ..	..	Bank Buildings, Bristol.
	1877 May 29.	*WATTS, NICHOLAS .. ..	..	Underbank Hall, Deepcar, Penistone.
	1902 Apr. 8.	WATTS, WILLIAM .. ..	..	{ Westminster Engineering Co., Victoria Rd., Willesden Junction, N.W.
	1896 Dec. 1.	*WAY, ARTHUR GEORGE ..	..	New Kleinfontein Co., P.O., Benoni, Transvaal.
	1901 Mar. 5.	WAY, EDWARD JOHN .. ..	..	King's College, Strand, W.C.
	1893 Apr. 11.	*WAYNFORTH, HARRY MORTON ..	..	9 Ribblesdale Place, Preston.
	1888 Dec. 4.	WEARING, WILLIAM .. ..	..	Saltfleet St. Peter's, Louth, Lincs.
	1891 Apr. 7.	WEAVER, EDWARD .. ..	..	{ Caixa do Correio 54, Manaos, Amazonas, Brazil.
m ♫	1882 Dec. 5.	WEAVER, HENRY EDWARD ..	..	Richardson & Cruddas, Byculla, Bombay.
	1886 Dec. 7.	WEBB, RICHARD GEORGE ..	..	23 Linden Gardens, Chiswick, W.
	1887 May 3.	*WEBSTER, CHARLES .. ..	..	{ Drainage Board, Whakatane, Auckland, N.Z.
	1890 Apr. 1.	*WEBSTER, GEORGE JOHNSTON ..	..	Boro' Engineer, Marrickville, Sydney, N.S.W.
	1890 Dec. 2.	WEBSTER, JAMES PHILIP ..	..	Exning, Newmarket.
	1875 Apr. 6.	WEBSTER, JOHN .. ..	..	{ Derwent Valley Water Board, Bamford, Sheffield.
	1899 Dec. 5.	*WEEKES, MICHAEL GEORGE ..	..	65 Hayes Road, Bromley, Kent.
	1893 Feb. 7.	*WEEKES, ROBERT WILLISHER ..	..	{ Caixa 27, Santos, Brazil.
	1885 May 19.	{ WEINSCHENCK, GUILHERME BENJAMIN .. ..	..	13 Rowallan Gardens, Partick, Glasgow.
	1894 Dec. 4.	*WEIR, WILLIAM PARK ..	..	T. Bolton & Sons, Oakamoor, Stoke-on-Trent.
m ♫	1892 Mar. 1.	{ *WEISS, CHARLES THEODORE HERMANN .. ..	..	Greifswalderstrasse 140, Berlin.
	1878 May 7.	*WEISS, HUBERT AUGUST OTTO ..	..	Chargrove Lawn, Cheltenham.
	1880 May 4.	WELCH, ERNEST FREDERICK ..	..	27 Victoria Buildings, Manchester.
	1886 Jan. 12.	WELCH, JAMES WILLIAM ..	..	{ Norwood Union Chambers, Chamberlain Square, Birmingham.
	1890 Dec. 2.	*WELDON, HERBERT NICOL ..	..	New York Life Building, Place d'Armes, Montreal, Canada.
	1885 Feb. 3.	WELLER, HARRY WRAY ..	..	Ivercroft, Baxter Road, Sale, Manchester.
	1895 Dec. 3.	WELLS, GEORGE JAMES ..	..	Polytechnic Institute, Battersea, S.W.
	1891 Dec. 1.	*WELLS, SIDNEY HERBERT ..	..	Prince's Dock Chambers, Hull.
	1879 Feb. 4.	WELLSTED, WILLIAM HENRY ..	..	14 Spottiswoode Street, Edinburgh.
	1892 Mar. 1.	WELSH, ALEXANDER .. ..	..	Elm Road, Wembley, Middlesex.
m ♫	1883 Apr. 3.	WELTON, WILLIAM SHAKSPERE ..	..	73 The Chase, Clapham Common, S.W.
	1895 Feb. 5.	*WELTON, WILLIAM SMART ..	..	Broadway Chambers, Westminster, S.W.
	1881 May 3.	WESTERN, MAXIMILIAN RICHD.	..	24 Portland Street, Southampton.
	1887 May 24.	WESTON, HARRY JACOB ..	..	L. & N. W. Ry., Crewe.
m ♫	1886 Apr. 6.	WHALE, GEORGE .. ..	..	

Date of Election.	ASSOCIATE MEMBERS.
1886 Dec. 7.	*WHATELY, RICHARD .. ..
1899 Jan. 10.	WHEAT, FREDERICK SYKES ..
1894 Apr. 3.	*WHEATLEY, HENRY LAWRENCE ..
1899 Dec. 5.	WHEELER, EDWIN .. ..
1883 Feb. 6.	{ WHEELER, GEORGE ROBERT WELBY .. .. .. ..
1893 Dec. 5.	*WHETHAM, STEPHEN LLOYD ..
1885 May 19.	{ WHINFIELD, JOHN HENRY RICHARD .. .. .. ..
1893 Dec. 5.	WHITAKER, GEORGE REGINALD ..
1891 Dec. 1.	*WHITAKER, JAMES .. ..
1892 Apr. 5.	*WHITE, CHARLES STANLEY ..
1878 Feb. 5.	*WHITE, EDWIN JAMES .. ..
m 1887 Mar. 1.	WHITE, GEORGE .. ..
1894 Dec. 4.	*WHITE, HENRY THOMAS ..
1900 Apr. 3.	WHITE, JOHN HENRY ..
1893 Dec. 5.	WHITE, ROBERT HENRY ..
1894 Feb. 6.	WHITE, SYDNEY HERBERT ..
1887 Mar. 1.	{ WHITE, THOMAS CHARLES HUTCHINSON .. .. .. ..
1896 Mar. 3.	{ WHITE, WILLIAM DONALD WILSON .. .. .. ..
1901 Dec. 3.	WHITE, WILLIAM HENRY JOHN ..
1897 Dec. 7.	*WHITE, WILLIAM HERBERT ..
1899 Apr. 11.	*WHITEFORD, ERIC HAMILTON ..
1902 Mar. 4.	{ WHITELAW, ANDREW HEPBURN, B.Sc. ( <i>Glas.</i> ) .. .. ..
1893 Dec. 5.	*WHITELAW, JOHN .. ..
1893 Dec. 5.	WHITLOW, EDWARD TURNER ..
1893 May 2.	WHITHARD, BROOKE MIDDLEMORE ..
1880 Mar. 2.	*WHITMORE, LAWRENCE HERSEE ..
1900 Dec. 4.	WHITTOW, THOMAS .. ..
1893 Mar. 7.	WHITWORTH, THOMPSON ..
1896 Jan. 14.	WHITWORTH, WALTER STANLEY ..
1892 Dec. 6.	WHYATT, HENRY GILBERT ..
1896 May 5.	WHYTE, JAMES .. ..
1888 Jan. 10.	*WHYTE-BUTLER, ARTHUR HENRY ..
1895 Dec. 3.	WICKHAM, FRANCIS EDMUND ..
1898 Mar. 1.	*WICKHAM, WILLIAM HENRY ..
1895 Dec. 3.	{ WIELAND, GEORGE CHARLES BRADLEY .. .. .. ..
1893 Jun. 10.	WIGG, WILLIS .. .. ..
1893 Mar. 7.	WIGNALL, JOHN ROBERT ..
1876 Mar. 7.	WILD, JOSEPH HENRY ..
1894 Dec. 4.	WILDER, FRANCIS LANGHAM ..
1888 Feb. 7.	WILKINSON, EDWARD ..
1885 Feb. 3.	*WILKINSON, HENRY WALL ..
1887 Feb. 1.	WILKINSON, JAMES PICKLES ..
	Bombay, Baroda & C. I. Ry., India.
	S. W. Meyer, 13 Bond Street, Leeds.
	Caixa 531, Rio de Janeiro.
	G. N. Ry., Peterborough.
	Town Hall, Westminster, S.W.
	Eng.'s Office, N. E. Ry., York.
	Brambletye, Cavendish Road, Sutton, Surrey.
	Touws River, Cape Colony.
	H. Simon, 20 Mount St., Manchester.
	{ 8 Guilford Place, Russell Square, W.C.
	Lambeth Brass & Iron Co., Short Street, Lambeth, S.E.
	The Farm, Mexborough.
	Handyside & Co., Derby.
	Trewellard, St. Just, Cornwall.
	The Elms, Field Lane, Litherland, Liverpool.
	A. T. Walmisley, 9 Victoria St., S.W.
	Tane, Eketahuna, Wellington, N.Z.
	162 Cambridge Drive, Kelvinside, Glasgow.
	Municipal Offices, Cheltenham.
	{ c.o. Mrs. Martelli, 6 Prince Arthur Road, Hampstead, N.W.
	Derwent Valley Water Board, Bam- ford, Sheffield.
	45 John Street, Glasgow.
	46 Albany Street, Edinburgh.
	70 Deansgate, Manchester.
	{ e.o. Sewell & Crowther, 18 Cockspur Street, S.W.
	Box 163, Bulawayo, Rhodesia.
	{ J. Cochrane & Sons, 39 Victoria Street, S.W.
	3 The Avenue, Sunderland.
	{ Koffyfontein Mines, Orange River Colony.
	Borough Engineer, Great Grimsby.
	{ New Junction Canal, Stainforth, Doncaster.
	Empresa del Muelle de Salaverry, Peru.
	{ Ry. Construction Branch, P.W.D., Sydney, N.S.W.
	Hong Kong Electric Co., Hong Kong.
	150 Fosse Road, Leicester.
	Blackwell & Co., 59 City Road, E.C.
	Box 247, Johannesburg, Transvaal.
	Sulham, Pangbourne, Reading.
	{ Asst. City Surveyor, Melbourne, Victoria.
	{ 2 Queen Anne's Gate, Westminster, S.W.
	47 Arcado Chambers, St. Mary's Gate, Manchester.

Date of  
Election.

## ASSOCIATE MEMBERS.

1890 Apr. 1.	*WILKINSON, WILLIAM FISCHER	Consolidated Goldfields of South Africa, 8 Old Jewry, E.C.
1883 Feb. 6.	*WILCOX, JOSEPH EDWARD ..	63 Temple Row, Birmingham.
1897 Apr. 6.	WILLEY, HENRY ALFRED ..	{ 3 Pennsylvania Park, Exeter. (Sylvan, Exeter. 133.)
1892 Dec. 6.	WILLIAMS, ARTHUR EDWARD ..	Dagenham Dock, Romford.
1895 Dec. 3.	{ WILLIAMS, ARTHUR EDWARD, B.A. ( <i>Cantab.</i> ) .. .. ..	The Nook, Union Rd, Leamington
1895 Feb. 5.	*WILLIAMS, ARTHUR JOHN ..	Admiralty Works, Hong Kong.
1895 Dec. 3.	WILLIAMS, CHARLES BEYNON ..	P.W.D., Gurdaspur, Punjab.
1881 Apr. 5.	*WILLIAMS, CLAUDE ST. MAUR ..	Belle Vue, Harrow-on-the-Hill.
† 1896 Apr. 14.	*WILLIAMS, CYRUS JOHN RICHARD ..	Brisbane, Queensland.
1889 May 7.	WILLIAMS, ERNEST .. .. ..	{ Bewick, Moreing & Co., Board of Executors Buildings, Wale Street, Cape Town, C.C.
1892 May 24.	WILLIAMS, FRANK LIONEL ..	7 Valletort Place, Stoke, Devonport.
† 1897 Dec. 7.	*WILLIAMS, GEORGE BRANSBY ..	Killay House, Killay, Glamorgan.
1881 Feb. 1.	*WILLIAMS, JOHN HENRY ..	48 Halford Rd., Richmond, S.W.
1900 Feb. 6.	*WILLIAMS, JOHN HUW .. ..	State Ry. Dept., Perak, S.S.
1887 Dec. 6.	WILLIAMS, ROBERT .. .. ..	{ 30 Clement's Lane, E.C. (Egophany, London. 1249.)
1897 Feb. 2.	{ *WILLIAMS, STEPHEN MAYNARD, JENOUR .. .. .. ..	Binny & Co., Madras.
1893 Dec. 5.	{ WILLIAMS, WILLIAM HUM- PHREYS .. .. .. ..	Dock House, Southampton.
1896 Apr. 14.	{ WILLIAMS, WILLIAM RICHARD, F.C.H. .. .. .. ..	Irrigation Dept. Alexandria, Egypt.
m 1871 Dec. 5.	*WILLIAMS, WILLIAM WALTON ..	Messrs. Lysaght, Gibraltar.
1896 Feb. 4.	*WILLIAMSON, ALFRED ARTHUR ..	H.M. Dockyard, Hong Kong.
1892 Apr. 5.	*WILLIAMSON, ANDREW .. ..	Cannanore, N. Malabar, India.
1890 Jan. 14.	*WILLIAMSON, ARTHUR .. ..	10 Regent Terrace, Blackpool.
1892 Mar. 1.	WILLIAMSON, RICHARD .. ..	South Lodge, Cockermouth.
1886 May 18.	*WILLINK, WILHEM .. .. ..	35 Copthall Avenue, E.C.
1901 Apr. 2.	WILLIS, EDWARD .. .. ..	{ Public Offices, Dyne Road, Kil- burn, N.W.
1890 Apr. 1.	*WILLIS, HARRY ATCHISON ..	{ F. C. Cordoba y Rosario, Rosario, Provincia de Santa Fé, Argentina.
1902 Apr. 8.	*WILLIS, JOHN BURDETT ..	2 Wellwood Rd., Goodmayes, Ilford.
1878 May 28.	*WILLIS, ROBERT HENRY ..	29 Grafton St., Fitzroy Square, W.
1889 May 7.	WILLIS, WALTER .. .. ..	20 Nottingham Place, W.
1894 Mar. 6.	WILLIS-VOLLAIRE, GEORGE ..	{ London Sanitary Protection Associa- tion, 13 Charles St., St. James', S.W.
1895 Dec. 3.	{ *WILLMOTT, HERBERT MORTON, F.C.H. .. .. .. ..	Naini Tal Club, N.W.P., India.
1898 Dec. 6.	{ *WILLOUGHBY, PERCIVAL, ROBERT AUGUSTUS .. ..	Guest, Keen & Co., Dowlais.
1896 Mar. 3.	{ *WILLS, BERNARD RUSSELL, B.A. ( <i>Cantab.</i> ) .. .. ..	Brennan Torpedo Factory, Chatham.
1899 Feb. 7.	WILSHERE, FRANK .. .. ..	24 Queen Anne's Gate, S.W.
1898 Dec. 6.	WILSON, ALAN .. .. ..	{ Wilson and Neubronner, Penang, S.S.
1884 May 6.	{ WILSON, ALEXANDER, M.E. ( <i>Royal</i> ) .. .. ..	32 Hampton Road, Ilford.
1897 Apr. 6.	WILSON, ALEXANDER COWAN ..	{ Canada Branch Dock No. 2, Liverpool.
1869 Dec. 7.	WILSON, ALEXANDER FAIRLIE ..	Burnbrae, Balfour, N.B.
1879 Feb. 4.	*WILSON, ARTHUR HENRY ..	Seacroft Hall, near Leeds.
1874 Feb. 3.	WILSON, CHARLES GEORGE ..	68A Bluff, Yokohama, Japan.
1894 Dec. 4.	WILSON, DANIEL ELLIS .. ..	Box 152, Cairo.
1895 Mar. 5.	*WILSON, ERNEST MOORE .. ..	{ Caledon Ry., Sir Lowry's Pass, Cape Town, C.C.
t † 1898 Mar. 1.	{ WILSON, GEORGE, D.Sc. ( <i>Victoria</i> ) .. ..	151 Hamilton Road, Longsight, Manchester.

Date of  
Election.

## ASSOCIATE MEMBERS.

1879 Mar. 4.	WILSON, JAMES, <i>Pasha</i>	.. ..	P.O. Box 152, Cairo. (H.M. Dockyard, Simon's Town,
1902 Apr. 8.	WILSON, JOHN FAIRWEATHER	.. ..	Cape Colony.
1893 Dec. 5.	WILSON, JOHN ROBERT ROBINSON	.. ..	182 Chapeltown Road, Leeds.
1898 Jan. 11.	WILSON, JOSEPH BOWMAN	.. ..	Court House, Cockermouth.
1888 Jan. 10.	*WILSON, MAURICE	.. ..	Engineering School, Crystal Palace,
1895 Dec. 3.	*WILSON, NORMAN FORSTER	.. ..	1 Albion Place, Leeds. [S.E.]
1893 Dec. 5.	{ *WILSON, NORMAN MCLEOD RAMSAY .. .. .. ..	.. ..	Thirsk Terrace, Northallerton.
1898 Dec. 6.	WILSON, ROBERT MACDONALD	.. ..	Madras Ry., Arkonam, Madras.
1886 Dec. 7.	WILSON, THOMAS BRIGHT	.. ..	Epworth Lodge, Ashcroft, Cirencester.
1876 Apr. 4.	WILSON, THOMAS PERCEVAL	.. ..	{ Easton, Anderson & Goolden, Broad Sanctuary Chambers, S.W.
1896 May 5.	WILSON, WILLIAM	.. ..	Board of Works, Melbourne, Victoria.
m 1875 Mar. 2.	*WILTON, FRANCIS	.. ..	Knockeegan, Priest Hill, Caversham,
1871 Dec. 5.	WINCKLER, GEORGE WALTER	.. ..	Winnipeg, Canada. [Reading.]
1899 Apr. 11.	*WINDER, OLIVER	.. ..	{ Ely House, Newton Heath, Manchester.
1891 Apr. 7.	WINDER, THOMAS	.. ..	Norfolk Estates Office, Sheffield.
1873 May 20.	*WINDHAM, FRANCIS	.. ..	10 Great Ormond Street, W.C.
1896 Dec. 1.	WINDLE, JAMES FITZGERALD	.. ..	County Surveyor's Office, Limerick.
1886 Feb. 2.	*WINDOW, EDMUND RICHARD	.. ..	16 Cook Street, Liverpool.
1902 Jan. 14.	{ *WINGATE-SAUL, ARTHUR WIN- GATE .. .. .. ..	.. ..	{ Manor House, Newbold-on-Avon, Rugby.
1898 Dec. 6.	WINN, THOMAS JOHN	.. ..	44 Hildrop Crescent, Camden Rd., N.
1879 Feb. 4.	WINSHIP, GEORGE	.. ..	Borough Surveyor, Abingdon.
1897 Mar. 2.	{ WINSLOW, GILBERT, B.A. ( <i>Canab.</i> ) .. .. .. ..	.. ..	
1877 May 29.	WINSTANLEY, GEORGE	.. ..	Crackley, Kenilworth.
1887 Feb. 1.	WINSTANLEY, WILLIAM	.. ..	Gasworks, Newcastle-under-Lyne.
1895 May 21.	WINTER, GEORGE BLISS	.. ..	S. Indian Ry., Trichinopoly, India.
1894 Dec. 4.	WINTER, OLIVER ERNEST	.. ..	{ Borough Engineer, Town Hall, Haverstock Hill, N.W.
1902 Jan. 14.	*WISE, JULIAN STANTON	.. ..	{ C. H. Walker & Co., New Khedivial Dock, Alexandria.
1892 Feb. 2.	*WISSENDEN, REGINALD	.. ..	L. & Y. Ry., Lonsdale Street, Ac-
1885 Jun. 13.	WISWALL, FRANCIS	.. ..	Stanley Villas, Runcorn. [erington.
1875 Dec. 7.	WITTS, GEORGE BACKHOUSE	.. ..	Hill House, Leekhampton, Chelten-
1895 Jan. 8.	WITTS, JOHN WILLIAM	.. ..	City Engineer's Office, Leeds. [ham.
1895 Jan. 8.	*WOLFENDEN, BENJAMIN JAMES	.. ..	Boro' Engineer, Bootle.
m ✚ 1899 Mar. 7.	{ *WOLFF, CHARLES ERNEST, B.Sc. ( <i>Victoria</i> ) .. .. ..	.. ..	Turf Club, Cairo.
1892 Apr. 5.	*WOLTHEIM, ALBERT	.. ..	Giselastrasse 6, Vienna.
m 1899 Dec. 5.	{ *WOLESEY - LEWIS, FRANK THOMAS .. .. .. ..	.. ..	Eirianva, North Malvern.
1888 Jan. 10.	WOLSTENHOLME, JEREMIAH	.. ..	Boro' Surveyor, Blackpool.
1883 Feb. 6.	*WOOD, ARTHUR PRESCOTT	.. ..	Waterworks, Shanghai, China.
1894 Dec. 4.	*WOOD, FRANCIS	.. ..	Borough Surveyor, Fulham, S.W.
1897 Jan. 12.	WOOD, FREDERICK JAMES	.. ..	County Surveyor, Lewes.
1895 Dec. 3.	WOOD, JAMES HERBERT	.. ..	Pacific Co., Paicasmayo, Peru.
1897 Feb. 2.	WOOD, JOHN EGERTON	.. ..	{ Mýnbouw Maatschappij "Loemar," <i>viā</i> Singkawang, Dutch Borneo.
1887 Dec. 6.	*WOOD, WALTER GUNNELL	.. ..	P.W.D., Faizabad, India. [S.W.
1884 Dec. 2.	*WOOD, WILLIAM	.. ..	31 Studley Road, Clapham Road,
1896 Feb. 4.	WOODALL, HENRY	.. ..	9 Bridge St., Westminster, S.W.
1893 Mar. 7.	{ WOODBURN, ALEXANDER, B.Sc. ( <i>Glas.</i> ) .. .. ..	.. ..	Southcote, Prestwick, N.B.
1896 Apr. 14.	*WOOD-HILL, ARTHUR	.. ..	{ Baldry & Yerburgh, Uplyme, Devon.
1881 May 31.	*WOODS, JOHN	.. ..	Box 784, Cape Town, C.C.
1887 Dec. 6.	WOODS, VINCENT SYDNEY	.. ..	15 Carlyle Square, S.W. [Antrim.
1889 May 21.	*WOODSIDE, JOHN	.. ..	Carnsampson, Ballycastle, co.

Date of  
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## ASSOCIATE MEMBERS.

1893 Jan. 10.	{ *WOODWARD, ERNEST ARTHUR BORAMAN .. .. .. .. }
1896 Dec. 1. WOODWARD, HARRY PAGE ..	129 Beaufort Street, Chelsea, S.W.
1894 Feb. 6. { *WOODWARD, HENRY RICHARD KEMP .. .. .. .. }	G.W. Ry., Low Level Station, Wolverhampton.
1891 Dec. 1. *WOODWARD, JOHN HAROLD ..	8 Queen Anne's Gate, S.W.
1893 Feb. 7. *WOOLCOCK, JOSEPH HENRY ..	Rickerby House, St. Bees.
1897 Jan. 12. { *WOOLMER, HERBERT CHARLES PALAIRET .. .. .. .. }	Box 474, Auckland, New Zealand.
† 1899 Dec. 5. { *WOOKE, JOHN MAURICE SIMEON, B.E. ( <i>Sydney</i> ) .. .. .. }	P.O., Claremont, Western Australia.
1897 Apr. 6. WOOTTON, HENRY .. .. ..	F. C. Oeste, Buenos Aires.
1882 Feb. 7. *WORGER, DOUGLAS FITZGERALD ..	WaterCo., Southwark Bridge Rd., S.E.
1898 Dec. 6. *WORKMAN, FREDERIC DICKINSON ..	1 Aston Street, Sheffield.
1892 Jan. 12. WORMALD, JOHN .. .. ..	14 Victoria Street, S.W. [ham.
1896 Apr. 14. WORRALL, FRANK .. .. ..	Council Offices, Long Eaton, Notting-
1896 Apr. 14. { WORSÖE, ADAM FREDERIC TRAMPE .. .. .. .. }	Drammen Foundry, Drammen, Norway.
1889 Dec. 3. WORTH, REGINALD TURNER ..	The Limes, Middlewich, Cheshire.
1893 Dec. 5. { *WORTH, RICHARD GEORGE HANSFORD .. .. .. .. }	42 George Street, Plymouth.
1894 Dec. 4. *WORTHINGTON, ARTHUR .. ..	Ash Lea, Edgeley, Stockport.
S t † 1885 May 19. { WORTINGTON, EDGAR, B.Sc. ( <i>Victoria</i> ) .. .. .. }	(Institution of Mechanical Engineers, Storey's Gate, Westminster, S.W. (Mech, London. Westminster 264.)
1895 Jan. 8. *WRENCH, FRANCIS HOULTON ..	Independent Buildings, Fargate, Sheffield.
1887 May 3. { WREY, PHILIP BOURCHIER SHERARD .. .. .. .. }	Mashonaland Agency, Bulawayo, Rhodesia.
1894 Jan. 9. WRIGHT, ARTHUR .. .. ..	26 Park Crescent, Brighton.
1902 Apr. 8. *WRIGHT, FRANK .. .. ..	H.M. Dockyard, Malta.
1884 Feb. 5. *WRIGHT, FREDERICK ADLARD ..	Eng.'s Office, E. I. Ry., Calcutta.
1886 Dec. 7. *WRIGHT, HAROLD .. .. ..	East Indian Ry., Asansol, India.
1890 Feb. 4. WRIGHT, JOHN ROBERT MOSSE ..	(Suburban Waterworks, Albion Springs, Rondebosch, Cape Colony.
1901 Apr. 23. WRIGHT, RICHARD ERNEST ..	P.W.D., Port Elizabeth, C.C.
1892 Mar. 1. *WRIGHT, THOMAS .. .. ..	Siemens Brothers & Co., Woolwich,
1892 Jan. 12. WRIXON, HENRY .. .. ..	G.P.O., Perth, W. Australia.
1890 May 6. *WYATT, HENRY HERBERT ..	(Trinidad Lake Asphalt Paving Co., 2 Crosby Square, E.C.
t † 1883 May 29. *WYATT, JAMES WILLIAM, F.C.H.	St. Cuthbert's Mills, Wells, Somerset.
1901 Dec. 3. *WYATT-SMITH, ALAN .. ..	(Govt. Rys., Willowmore, Cape Colony.
1878 May 7. WYBROW, GEORGE DIGBY ..	(Sylvabelle, Lansdown Road, Bourne- mouth.
1894 Dec. 4. WYLDE, THOMAS .. .. ..	(c.o. F. A. Robinson & Co., 54 Old Broad Street, E.C.
1897 Feb. 2. WYLLIE, JAMES BROWN .. ..	219 St. Vincent Street, Glasgow.
1866 Feb. 6. WYNDHAM, HENRY .. .. ..	9 Victoria Street, S.W.
1861 Feb. 5. WYNNE, ALBERT AUGUSTUS ..	Tigroney, Ovoca, co. Wicklow.
1899 Dec. 5. { *WYNNE, ARTHUR ALGERNON WARREN, M.A. ( <i>Cantab.</i> ) .. .. }	C. A. Parsons & Co., 99 Great Clyde Street, Glasgow.
1871 Feb. 7. *WYNNE, FRANCIS GEORGE ..	Lightwater, Bagshot.
1892 Mar. 1. *WYNNE, HENRY EDWARD .. ..	(Northern Counties Ry., Mano- hamilton, Ireland.
1896 Dec. 1. WYNNE, HENRY JOHN .. ..	Government Rys., Wellington, N.Z.
1891 Dec. 1. WYNNE, THOMAS TRAFFORD .. ..	(Conceição do Serro, Minas Geraes, Brazil.
1894 Dec. 4. WYNNE-ROBERTS, RCBERT OWEN ..	City Engineer, Cape Town, C.C.
1890 Dec. 2. WYSE, ROBERT ANDERSON .. ..	(F. W. Burrowes, Oakleigh, Ronde- bosch, Cape Town, C.C.

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## ASSOCIATE MEMBERS.

1895 Dec. 3. \*XAVIER, ISIDORE MICHAEL .. Water Dept., Victoria, Hong Kong.

1902 Feb. 4.	YAMAGUCHI, JUNNOSUKE ..	Sanyo Railway, Kobe, Japan.
1887 Feb. 1.	*YATES, FRED SPENCER ..	Town Hall, Waterloo, Liverpool.
1895 Mar. 5.	YERBURY, FREDERICK AUGUSTUS ..	Mirrlees Watson Co., 45 Scotland Street, Glasgow.
1899 Dec. 5.	YOCKNEY, ALGERNON LANGSTON ..	Wye Cottage, Chepstow.
1891 Dec. 1.	YORK, FRANCIS COLIN ..	Pacific Ry., Junin, Buenos Aires.
1895 Mar. 5.	YORK, HENRY ..	District Council, New Barnet.
1900 Feb. 6.	YOSHIMURA, CHIOSAKU ..	Kenchikukwa, Sascho Chinjusu , Nagasaki Ken, Japan.
m † 1895 Apr. 2.	*YOUNG, ALFRED ERNEST ..	Govt. Survey, Perak, S.S.
1892 Jan. 12.	YOUNG, EDWARD HERBERT ..	Central Chambers, South Castle Street, Liverpool.
† 1891 May 12.	*YOUNG, EVELYN HENRY ..	W. Watson & Co., Bombay.
† 1889 Mar. 5.	YOUNG, HENRY WILLIAM ..	Midland Ry., Greymouth, N.Z.
† 1893 Dec. 5.	*YOUNG, JAMES ..	Caerleon, Bearsden, Dumbartonshire.
1882 Feb. 7.	*YOUNG, JULES DENT ..	18 York Street, Bath.
1889 Mar. 5.	YOUNG, ROBERT AUSTEN ..	Westport, N.Z.
1892 Apr. 5.	YOUNG, WILLIAM CHRISTOPHER ..	Mozufferpore, Tirhoot, Bengal.
1882 Dec. 5.	YOUNGER, THOMAS BROWN ..	98 Great Tower Street, E.C.
1871 Apr. 4.	YUILL, WILLIAM ..	Gordondale House, King's Gate, Aberdeen.
1899 Dec. 5.	*ZELLER, CARLOS VAN ..	48 Ruado Ferregial de Baixo, Lisbon.
1901 Dec. 3.	ZIMMER, GEORGE FREDERICK ..	82 Mark Lane, E.C.

Total number of Associate Members .. .. 4,020.

## ASSOCIATES.

[Assoc. Inst. C.E.]

N.B. Those elected prior to the 2nd of December, 1878, are entitled to the privileges of Corporate Membership, but not those subsequently elected.

Date of Election.	ASSOCIATES.
1861 May 28.	ABEL, CHARLES DENTON .. .. { 28 Southampton Buildings, Chancery Lane, W.C. (Patentable, London. Holborn 109.)
1859 Dec. 6.	AIRD, Sir JOHN, Bart., M.P. .. .. { 37 Great George Street, S.W. (Loco. London. Westminster 61.)
1886 Dec. 7.	AIRD, JOHN, Jun. .. .. ..
1883 Dec. 4.	ALDRICH, ARTHUR STANHOPE.. Bunnythorpe, Palmerston North, N.Z.
1877 Apr. 10.	{ ANNETH, RICHARD CHARLES FRANCIS .. .. .. 4 Buckingham Avenue, Sefton Park, Liverpool.
1866 Dec. 4.	{ ARDAGH, Sir JOHN CHARLES, Maj.-Gen. R.E., K.C.I.E., C.B. .. .. .. Athenæum Club, Pall Mall, S.W.
1898 Apr. 5.	{ ARMITAGE, ROBERT, B.A. (Cantab.) .. .. .. Farnley Lodge, Leeds.
1886 May 4.	{ ARMYTAGE, Sir GEORGE JOHN, Bart. .. .. .. Kirklees, Brighouse.
1901 Dec. 3.	*ARMYTAGE, JOHN HAWESWORTH 1 Whitehall, S.W.

†	1877 Dec. 4.	BACHE, ALFRED, B.A. ( <i>Lond.</i> )	3 St. Mary's Place, Penzance.
	1889 Feb. 5.	BACK, FREDERICK .. .. ..	Govt. Rys., Hobart, Tasmania.
	1869 Apr. 6.	{ BADGLEY, WILLIAM FRANCIS, Colonel <i>Bombay Staff Corps</i>	Exmouth, Devon.
	1896 Dec. 1.	{ BAGGALLAY, CLAUDE, K.C., LL.M. ( <i>Cantab.</i> ) .. .. ..	20 Elvaston Place, Kensington, S.W.
	1881 May 3.	{ BAIRD, ANDREW WILSON, Colonel R.E. ret., C.S.I., F.R.S.	Palmerscross, Elgin, N.B.
	1902 Jan. 14.	{ BAKER, FREDERICK NOLAN, Lieut. R.A. .. .. ..	R.A. Barracks, Woolwich.
	1865 Feb. 7.	BARCLAY, CHARLES .. .. ..	The Manor House, Bayford, Hertford.
	1901 Dec. 3.	{ BARKLIE, ROBERT MARTIN, Brigadier-General R.E. .. ..	Tidworth House, Andover.
	1891 May 5.	BARLING, JOSEPH .. .. ..	Under Secy., P.W.D., Sydney, N.S.W.
	1895 Dec. 3.	{ BARWICK, FREDERICK MORTIMER, Captain <i>H.M. Indian Marine</i>	Grimsby, Lincs.
	1885 Dec. 1.	{ BASTOS, JOSÉ JOAQUIM DE CARVALHO .. .. ..	Rio de Janeiro.
	1882 Apr. 4.	{ BATE, CHARLES M'GUIRE, Lieut.-Colonel R.E. .. ..	Ordnance Committee, Woolwich.
	1901 Jan. 8.	BATES, LINDON WALLACE .. .. ..	43 Threadneedle Street, E.C.
	1868 Feb. 4.	BEHR, FRITZ BERNARD .. .. ..	{ 5 Queen Anne's Gate, Westminster, S.W.
	1900 Dec. 4.	BEHRENS, GUSTAV .. .. ..	36 Princess Street, Manchester.
	1901 Mar. 5.	BEILBY, GEORGE THOMAS .. .. ..	8 University Gardens, Glasgow.
	1878 May 28.	{ BEVAN, Rev. JAMES OLIVER, M.A. ( <i>Cantab.</i> ) .. .. ..	Chillenden Rectory, Dover.
	1885 May 19.	BIRT, Sir WILLIAM.. .. ..	{ G. E. Ry., Liverpool St. Station, E.C. (Eastman, London.)

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## ASSOCIATES.

1886 Dec. 7.	BIXBY, WILLIAM HERBERT <i>Major U.S. Engs.</i>	U.S. Engineer Office, Jones Building, Detroit, Mich., U.S. [S.W.]
1891 Jan. 13.	BLISSETT, THOMAS .. .. ..	c/o Grindlay & Co., Parliament St.,
t ♫ 1896 Apr. 14.	BLOUNT, BERTRAM .. .. ..	2 Broadway, Westminster, S.W.
1901 Apr. 2.	BLOXAM, ARTHUR GEORGE ..	(Birkbeck Bank Chambers, South- ampton Buildings, W.C.)
T t ♫ 1856 Dec. 2.	BOULTON, SAMUEL BAGSTER ..	64 Cannon Street, E.C. (Burboul, London. Bank 547.)
1892 Dec. 6.	BOUSFIELD, JOHN EBENEZER..	{ 4 South Street, Finsbury, E.C. (In- vention, London.)
1881 Feb. 1.	{ *BOUSFIELD, WILLIAM ROBERT, K.C., M.P. .. .. ..	2 Crown Office Row, Temple, E.C.
† { 1841 June 15. 1867 Nov. 26.	BOUSTEAD, JOHN .. .. ..	34 Craven Street, Strand, W.C.
1887 Apr. 5.	{ BOWMAN, FREDERICK HUN- GERFORD, D.Sc. ( <i>Richmond,</i> U.S.), F.R.S.E. .. .. ..	Spinningfield, Deansgate, Man- chester.
‡ 1865 Feb. 7.	BRAND, JAMES .. .. ..	172 Buchanan Street, Glasgow.
1866 Dec. 4.	{ BRASSEY, Lord, K.C.B., D.C.L. { (Oxon.) .. .. .. ..	4 Great George Street, S.W. (West- minster 2.)
1869 Dec. 7.	BRISTOW, EBENEZER JOHN ..	1 Copthall Buildings, E.C.
1864 Feb. 2.	BROWNING, ARTHUR GIRAUD..	16 Victoria St., S.W. (Friday, London.)
1852 Dec. 7.	BRYDGES, CHARLES JOHN ..	Hudson Bay Co., Winnipeg, Canada.
1895 Dec. 3.	BURT, GEORGE .. .. ..	19 Grosvenor Road, S.W.
1886 Apr. 6.	BURT, JOHN MOWLEM .. ..	19 Grosvenor Road, S.W.
1872 Feb. 6.	BUTLER, JAMES WILLIAM ..	{ Blyth House, Humber Rd., Black- heath, S.E.
m ♫ 1899 Dec. 5.	BUTTERS, CHARLES .. .. ..	20 Bishopsgate Street, E.C.

1876 Dec. 5.	{ CALL, CHARLES FREDERIC, Lt.- Colonel R.E. ret. .. .. ..	Valescure, St. Raphael (Var), France.
1866 Dec. 4.	{ CAPPEL, Sir ALBERT JAMES LEPOOC, K.C.I.E. .. .. ..	27 Kensington Court Gardens, S.W.
1885 Jan. 13.	CARD, HENRY .. .. ..	Lewes. [(2608.)]
1869 Apr. 6.	CARPMAL, ARTHUR .. .. ..	24 Southampton Buildings, W.C.
1879 May 6.	{ CARPMAL, EDWARD, B.A. ( <i>Cantab.</i> ) .. .. ..	The Ivies, St. Julian's Farm Road, Norwood, S.E.
1867 May 21.	CASTLE, EDWARD JAMES, K.C.	8 King's Bench Walk, Temple, E.C.
1873 Feb. 4.	CASTLE, HENRY JAMES .. ..	{ 11 Little College Street, Westmin- ster, S.W.
1865 Feb. 7.	{ CERERO, RAFAEL, General Royal Spanish Engineers ..	Ingenieros del Ejercito, Madrid.
1899 Dec. 5.	CHATWOOD, SAMUEL .. ..	High Lawn, Worsley, Manchester.
1879 Mar. 4.	CLARK, MATEO .. .. ..	97 Cromwell Road, S.W.
1897 Mar. 2.	{ *CLARKE, EDWARD RUSSELL, B.A. ( <i>Cantab.</i> ) .. .. ..	11 King's Bench Walk, Temple, E.C.
1872 Feb. 6.	CLEGHORN, JOHN .. .. ..	3 Spring Gardens, S.W.
1868 Apr. 7.	CLUTTON, ROBERT GEORGE ..	9 Whitehall Place, S.W.
1867 Feb. 5.	COLBRON, JOSEPH PARKIN ..	2 Osborne St., Cliftonville, Brighton.
1899 Feb. 7.	COOKE, WILLIAM GEORGE, ..	35 Walbrook, E.C.
1883 Feb. 6.	{ COOMBS, WILLIAM HERON, Com- mander R.N. .. .. ..	Port of Spain, Triinidad.
1885 May 5.	COPUS, GEORGE .. .. ..	Colne Valley Ry., Halstead.
1898 Dec. 6.	{ CORDUE, WILLIAM GEORGE RANGER, Major R.E. .. ..	Calcutta Gate, Fort William, Cal- cutta.
1839 Apr. 30.	COTTAM, EDWARD .. .. ..	{ 78 Shakespeare Road, Drayton Court, Hanwell, W.
1859 Dec. 6.	COWARD, EDWARD .. .. ..	Heatherlea, Bowdon, Cheshire.
1885 Dec. 1.	COX, EDMUND PENLEY ..	Pernambuco, Brazil.

Date of  
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## ASSOCIATES.

1874 May 12.	{ CRAMPTON, THOMAS HILLAS, B.A. ( <i>Cantab.</i> ) .. .. .. } c/o J. Fort, 45 Holland Road, Kensington, W.
1879 Apr. 1.	CRESSWELL, JOHN .. .. .. Victoria Mount, Grange-over-Sands.
1897 Dec. 7.	CRIPPS, CHARLES ALFRED, K.C. 1 Essex Court, Temple, E.C.
1890 Jan. 14.	{ CUBILLO, LEANDRO, <i>Lt.-Col.</i> Trubia, Spain. <i>Royal Spanish Artillery</i> .. .. }
† 1880 Jan. 13.	CUNNINGHAM, WILLIAM MARTIN Goff's Oak, Cheshunt, Herts.
T t † 1882 Dec. 5.	{ CUNNINGHAM, ALLAN JOSEPH CHAMPNEYS, <i>Lt.-Col.R.E. ret.</i> } 20 Essex Villas, Kensington, W.
1882 May 2.	CUTBILL, WALTER JOHN CHARLES 37 Old Jewry, E.C.

1891 Jan. 13.	DALLAS, JAMES, <i>Major R.E.</i> .. Dean Bank House, Edinburgh.
1874 Dec. 1.	DAVIS, ALFRED .. .. .. { 26 Victoria Street, S.W. (Sivad, London.) }
F † 1883 Dec. 4.	{ DAWKINS, W. BOYD, M.A., D.Sc. ( <i>Oxon.</i> ), F.R.S. } Woodhurst, Fallowfield, Manchester.
t † 1867 Dec. 3.	DELANO, WILLIAM HENRY .. Rue Bordelaisse 13, Charenton, Paris.
1877 Dec. 4.	DE RANCE, CHARLES EUGENE .. 32 Carshalton Road, Blackpool.
1874 Apr. 14.	DERWENT, <i>Lord</i> .. .. Hackness Hall, Scarborough.
1891 Dec. 1.	DONKIN, JOHN BLOYD .. .. Union Club, Sydney, N.S.W.
1875 Apr. 6.	{ DOWDEN, THOMAS FREEMAN, <i>Colonel R.E. ret.</i> .. .. .. } c.o. Cox & Co., Charing Cross, S.W.
1894 Dec. 4.	DUPRAT, AUGUSTO .. .. .. { Southern Brazilian Ry., Rio Grande do Sul, Brazil. }
1869 Dec. 7.	{ DURNING-LAWRENCE, <i>Sir EDWIN</i> , <i>Bart.</i> , B.A., LL.B. ( <i>Lond.</i> ), M.P. } 13 Carlton House Terrace, S.W.

1866 Jan. 9.	{ EDGCOME, WILLIAM HENRY, Cooper's Hill Lodge, Englefield <i>Maj.-General R.E. ret.</i> .. Green, Staines.
1876 Dec. 5.	ELLIS, BASIL PYM .. .. .. 59 Belvedere Road, Lambeth, S.E.
1857 Feb. 3.	EPSTEIN, LÉON .. .. .. Warsaw, Poland.
1872 Dec. 3.	{ EVANS, <i>Sir FRANCIS HENRY</i> , Tubbendens, Orpington, Kent. <i>Bart.</i> , K.C.M.G., M.P. .. .. }
L † 1859 Dec. 6.	{ EVANS, <i>Sir JOHN, K.C.B., D.C.L.</i> Nash Mills, Hemel Hempstead. ( <i>Oxon.</i> ), D.Sc. ( <i>Cantab.</i> ), F.R.S. }

1863 Mar. 3.	FELL, JOHN BARRACLOUGH .. 68 Leyland Road, Southport.
1866 Jan. 9.	FENTON, <i>Sir MYLES</i> .. .. Ridge Green, South Nutfield, Surrey.
1877 Feb. 6.	FENWICK, GEORGE TOWNSEND Forres Park, Trinidad.
1844 Apr. 2.	FERRIÈRES, <i>Baron DU BOIS DE</i> Bayhill House, Cheltenham. [munds.
1864 May 1.	FIELD, SIDNEY .. .. .. Ashfield Lodge, near Bury St. Ed-
1865 Mar. 7.	FORBES, JAMES STAATS .. .. .. { L. C. & D. Ry., Victoria, S.W. (West- minster 170.) }
1852 May 4.	{ FORREST, JAMES ( <i>Honorary Secretary.</i> ) Great George Street, S.W. (Insti- tution, London. Westminster 51.) }
1896 Dec. 1.	{ FREEMAN, GEORGE MALLOWS, 33 Phillimore Gardens, W. B.A. ( <i>Oxon.</i> ), K.C. .. .. }
1871 Feb. 7.	FREEMAN, WILLIAM GEORGE { c.o. Freeman, Sons & Co., Penryn, Cornwall. } [W.
1895 Dec. 3.	FREEMAN, WILLIAM ROBERT 29 Cambridge Square, Hyde Park,
1875 Jan. 12.	{ FRERE, RICHARD TUDOR, Northcroft, Dulwich Common, S.E. <i>Lt.-Colonel R.E. ret.</i> .. .. }
1900 Feb. 6.	FUJII, TERUGORO .. .. .. Admiralty, Tokio, Japan.

Date of  
Election.

## ASSOCIATES.

1889 Feb. 5.	GARNETT, WILLIAM TERRELL	Undercliffe House, Bradford.
1896 Jan. 14.	GIBE, GEORGE STEGMANN ..	General Manager, N.E. Ry., York.
1895 Dec. 3.	{ GIBBON, JAMES AUBREY, <i>Major</i> R.E. .. .. .. ..	Frideswide, Farnborough, Hants.
1876 Dec. 5.	GIBBS, WILLIAM HENRY ..	Cedars Estate, West Kensington, W.
1883 Jan. 9.	GODFREY, GEORGE BROWN ..	West Gables, Cranleigh, Surrey.
1878 Mar. 5.	{ GORDON, EDWARD SMITH, <i>Colonel</i> R.A. ret. .. .. .. ..	16 Howley Place, Paddington, W.
1902 Jan. 14.	GORDON, JOSEPH GORDON ..	Queen Anne's Mansions, S.W.
1898 Dec. 6.	GRINLINTON, FREDERICK HENRY	Surveyor-General, Ceylon.
1872 Apr. 9.	GRINLINTON, Sir JOHN JOSEPH	{ Rose Hill, Middle Wallop, Stock- bridge, Hants.
1872 May 7.	GÜMPEL, CHARLES GODFREY ..	3 Elm Road, Beckenham, S.E.
1874 Dec. 1.	GUNN, WILLIAM CECIL .. ..	7A Laurence Pountney Hill, E.C.
1878 Mar. 5.	{ HAMMOND, GEORGE CRISPIN, Commander R.N. ... .. ..	5 Beacon Terrace, Falmouth.
1871 Dec. 5.	HARDING, JOSEPH RAKE .. ..	Local Board of Health, Epsom.
1866 May 15.	HARGROVE, JAMES SIDNEY ..	16 Victoria Street, S.W.
1887 Dec. 6.	{ HARRISON, Sir RICHARD, <i>General</i> R.E., K.C.B., C.M.G. .. ..	Hawley Hill, Blackwater, Hants.
1875 Apr. 6.	HART, CHARLES FREDERICK ..	Devizes, Wilts.
1858 Apr. 13.	HAWKINS, WILLIAM BAILEY ..	{ 39 Lombard Street, E.C. (Bailey Hawkins, London.)
1872 Mar. 5.	{ HAYDON, WILLIAM HENRY, Lt.-Colonel R.E. ret. .. ..	Malmesbury, Wilts.
† 1900 Jan. 9.	{ HEARN, GORDON RISLEY, <i>Cap-</i> <i>tain</i> R.E. .. .. .. ..	King, King and Co., Bombay.
1881 Dec. 6.	{ HEATHORN, THOMAS BRIDGES, <i>Captain</i> R.A. ret. .. ..	10 Wilton Place, S.W. (Kamar, London.)
1855 Feb. 6.	HEDGER, PHILIP .. .. ..	Coulsdon, The Avenue, Surbiton.
1869 Dec. 7.	HEWITT, ABRAM STEVENS ..	New York, U.S.
1851 Apr. 1.	HILL, JULIAN .. .. .. ..	8 Dean's Yard, Westminster, S.W.
1885 Dec. 1.	HILL, VINCENT WALKER .. ..	{ S. E. & C. D. Rys., London Bridge Station, S.E.
1876 Jan. 11.	{ HIME, Rt. Hon. Sir ALBERT HENRY, Lt.-Colonel R.E. ret., K.C.M.G., P.C., LL.D. ( <i>Edin.</i> )	Maritzburg, Natal.
1876 May 30.	HODGSON, HENRY TYLSTON ..	Harpenden, Herts.
1868 Dec. 1.	HOLGATE, JOHN THOMAS ..	Elmfield, Ashtead, Surrey.
1881 Mar. 1.	HOLLINGS, JAMES SPENCER ..	249 Birchfield Rd., Handsworth, Staffs.
1877 Mar. 6.	HOLME, ARTHUR HILL .. ..	{ 6 Gambier Terrace, Hope Street, Liverpool.
† 1886 Feb. 2.	HOPE, WILLIAM .. .. ..	10 Blackstock Street, Liverpool.
1897 Mar. 2.	HOPKINSON, JOHN .. .. ..	84 New Bond Street, W.
1867 Dec. 3.	HOWARD, JOHN .. .. ..	17 Victoria Street, S.W.
1862 Jan. 14.	HUNT, HENRY ARTHUR .. ..	45 Parliament Street, S.W.
1865 Apr. 4.	HUTCHINSON, ALFRED .. ..	62 Highbury Park, N.
1874 Mar. 3.	{ HUTCHINSON, CHARLES SCROPE, <i>Maj.-Gen.</i> R.E. ret., C.B. ..	14 Kidbrook Park Rd., Blackheath, S.E.
1858 Dec. 7.	ISAACS, LEWIS HENRY .. ..	3 Verulam Buildings, Gray's Inn, W.C.
1887 May 3.	JACKSON, Sir JOHN, F.R.S.E.	53 Victoria Street, S.W.
† 1876 Feb. 1.	{ JACOB, Sir SAMUEL SWINTON, <i>Col. Indian Staff Corps, K.C.I.E.</i>	{ c/o H. S. King & Co., 45 Pall Mall, S.W.
1866 Feb. 6.	JAMES, FREDERICK .. .. ..	48 Tregunter Rd., Brompton, S.W.
‡ 1891 Dec. 1.	{ JARINTZOFF, DMITRI THEODOR, <i>General I.R.N.</i> .. .. ..	Admiralty, St. Petersburg.

Date of Election.	ASSOCIATES.
1876 Apr. 4.	JEFFERIES, THOMAS .. .. Newbay, Wexford.
1887 Dec. 6.	JORDAN, WILLIAM LEIGHTON .. 25 Jermyn Street, S.W.
1894 Dec. 4.	JUDD, JOSEPH HENRY .. .. { Ferncliffe, Hawthorn Grove, Heaton Moor, Lancs.
1870 May 3.	KENDREW, JOHN ANTHONY .. The Ollands, Reepham, nr. Norwich.
1901 Dec. 3.	{ KILBURN, BERTRAM EDWARD .. DUNBAR, M.A. ( <i>Cantab.</i> ) .. } 111 Hatton Garden, E.C.
1871 Dec. 5.	{ LAMBERT, EDWARD TILEY, B.A. ( <i>Cantab.</i> ) .. .. .. } Telham Court, Battle. [S.W.]
1884 Dec. 2.	LASS, ALFRED .. .. .. 244 Upper Richmond Road, Putney,
1861 Mar. 5.	LEE, JOHN COCKBURN FRANCIS 42 Gloucester Gardens, Hyde Park, W.
1888 May 15.	{ LEWIS, HENRY FREDERICK .. WILLIAM .. .. .. } 25 College Hill, Cannon Street, E.C.
1877 May 29.	{ LIMA, PEDRO BENJAMIN DE CER- QUEIRA, <i>Admiral Braz. Navy.</i> } Cosme Velho 35, Rio de Janeiro.
1881 Feb. 1.	{ LINGARD - MONK, RICHARD .. BOUGHEY MONK .. .. .. } Great Central Ry., Manchester.
1897 Dec. 7.	{ LISBÔA, MIGUEL RIBEIRO, <i>Cap- tain Brazilian Navy ret.</i> .. } Obras Municipaes, Belém, Brazil.
1877 May 1.	{ LITTLER, Sir RALPH DANIEL .. MAKINSON, C.B., K.C. .. } 6 Pump Court, Temple, E.C. (Hol- born 46.)
1876 May 2.	LLOYD, GEORGE BRAITHWAITE Edgbaston Grove, Birmingham.
1883 Dec. 4.	LORIMER, WILLIAM .. .. .. Glasgow Loco. Works, Glasgow.
1865 Mar. 7.	LOVATT, HENRY .. .. .. Darlington Street, Wolverhampton.
1879 Dec. 2.	{ LUCAS, Sir ARTHUR CHARLES, <i>Bart.</i> .. .. .. .. } Broad Sanctuary Chambers, West- minister, S.W. (Loco. London. Westminster 61.)
1882 Dec. 5.	LYTE, FARNHAM MAXWELL .. 60 Finborough Rd., Kensington, S.W.
1893 Jan. 10.	MACAULAY, FREDERIC JULIUS L. & S.W.Ry., Waterloo Bridge, S.E.
1890 Dec. 2.	MCCORMICK, JOHN .. .. .. West End, Brisbane, Queensland.
1873 Jan. 14.	MACKAY, JOHN .. .. .. South Bank, Hereford.
1868 Apr. 7.	{ MACKWORTH, Sir ARTHUR .. WILLIAM, <i>Bart., Col. R.E.</i> .. .. .. .. .. } Woodlands, Bembridge, I.W.
1899 Jan. 10.	{ MACMORRAN, ALEXANDER, M.A. ( <i>Edin.</i> ), K.C. .. .. .. .. .. } 3 Temple Gardens, E.C.
1872 Dec. 3.	{ MCNAIR, JOHN FREDERICK .. ADOLPHUS, <i>Major R.A., C.M.G.</i> .. .. .. .. .. } Scotia, Preston Park, Brighton.
1901 Dec. 3.	{ MAIA, ALFREDO EUGENIO .. ALMEIDA .. .. .. .. .. } Rua de S. Bento 34, Rio de Janeiro.
1888 May 15.	{ MANN, JAMES ROBERT, <i>Maj.- General R.E. ret., C.M.G.</i> .. .. .. .. .. } Highfield Lodge, Tilehurst, Berks.
1865 Feb. 7.	{ MAPPIN, Sir FREDERICK THORPE, <i>Bart., M.P.</i> .. .. .. .. .. } 38 Prince's Gate, S.W.
1864 Apr. 5.	MARTIN, SAMUEL GARLICK .. Halefield, Wendover, Bucks.
1892 Dec. 6.	{ *MARTIN, WILLIAM, M.A. ( <i>Cantab.</i> ), LL.B. ( <i>Lond.</i> ) .. .. .. .. .. } Patent Office, Southampton Build- ings, W.C.
‡ 1857 Mar. 3.	{ MARTINDALE, BEN HAY, <i>Colonel R.E. ret., C.B.</i> .. .. .. .. .. } Weston Lodge, Albury, Guildford.
1880 Dec. 7.	MATTHEY, GEORGE, F.R.S. .. 75 Hatton Garden, E.C.
1859 Apr. 5.	MEREDITH, JOHN BULT .. .. 9 Sydenham Road, Croydon.
1882 Dec. 5.	MEYER, HENRY CODDINGTON .. 21 Park Row, New York, U.S.
1877 Apr. 10.	MIDDLETON, JOHN THOMAS .. { The Grange, Grange Road, Ealing, W. (Westminster, 693. Dislodge, London.)

Date of  
Election.

## ASSOCIATES.

1879 Apr. 1.	MILLYARD, JOHN WILLIAM ..	Littlebridge, Bromyard, Worcester.
1879 May 27.	MOBERLY, GEORGE ERNEST ..	Orwell Works, Ipswich.
1879 May 27.	MORRIS, JAMES .. .. ..	Dean Lane, Bombay. [W.
m 1898 Dec. 6.	*MORRIS, JOHN TURNER .. ..	13 Somers Place, Hyde Park Square,
m 1873 May 20.	*MORT, FREDERICK HARRY ..	Par's Bank, Widnes.
1883 May 1.	{ Moulton, JOHN FLETCHER, K.C., M.P. .. .. .. } 57 Onslow Square, S.W.	
1877 May 1.	MOUSLEY, JAMES ALFRED ..	St. Germains, St. Albans.
1879 May 6.	MOUSLEY, WILLIAM THOMAS ..	{ Leck & Manifold Valley Ry., Hartington, Buxton. }

1897 Feb. 2.	{ NARES, Sir GEORGE STRONG, K.C.B., Vice-Admiral .. } 11 Claremont Road, Surbiton.	
1898 Dec. 6.	NEILSON, JAMES .. .. ..	{ Orbiston House, Bellshill, Lanark- shire. }
1879 Dec. 2.	{ NEWMARCH, GEORGE, Maj.- General R.E. ret. .. } 6 Norfolk Terrace, Brighton.	
1879 Feb. 4.	NEWTON, FRANCIS MURRAY ..	3 Les Terrasses, Dinard, France.
1878 Mar. 5.	NEWTON, GEORGE BOLLAND ..	N.L. Ry., Euston, N.W.
	{ NICHOLSON, Sir WILLIAM GUS- TAVUS, Lieut.-General R.E., K.C.B. .. .. .. }	War Office, Pall Mall, S.W.
1872 Dec. 3.	NOTMAN, HENRY WILKES ..	{ Cholmley Lodge, West End, Kilburn, N.W. }

1866 Mar. 6.	OAKLEY, Sir HENRY .. ..	G. N. Ry., King's Cross, N.
T t ♦ 1866 Feb. 6.	{ O'CONNELL, PETER PIERCE LYONS, Maj.-Gen. R.E. ret. }	Sibertswold, Highland Road, Bromley, Kent.
1868 Mar. 3.	OGILVIE, PATRICK .. .. ..	Hambledon, Hants.
1901 Mar. 5.	OLIVER, CHARLES .. .. ..	{ Dept. of Railways and Tramways, Sydney, N.S.W. }
1898 Dec. 6.	{ OWEN, PERCY THOMAS, Major N.S.W. Headquarters' Staff }	Victoria Barracks, Sydney, N.S.W.

1897 Mar. 2.	PAGE, WALTER FINCH .. ..	27 Yokohama, Japan.
1872 Apr. 9.	PAGET, BERKELEY .. .. ..	2 Laurence Pountney Hill, E.C.
1891 May 12.	{ PAGET, Sir GEORGE ERNEST, Bart. .. .. .. }	Sutton Bonnington, Loughborough.
1877 Jan. 16.	PAIN, COARD SQUAREY .. ..	14 North John Street, Liverpool.
1891 Feb. 3.	{ *PAUL, ERNEST MONCREIFF, Captain R.E. .. .. .. }	R.E. Mess, Gibraltar.
1895 Dec. 3.	{ PAULING, GEORGE CRAIG SAUNDERS .. .. .. }	28 Victoria Street, S.W. [ment, W.C.
1872 Dec. 3.	PAYNE, ALEXANDER .. .. ..	Norfolk House, Victoria Embank-
1869 Dec. 7.	{ PEASE, Sir JOSEPH WHITWELL, Bart., M.P. .. .. .. }	Hutton Hall, Guisborough.
1876 May 30.	{ PEILE, FRED. WESTON, Lt.- General R.E. ret. .. .. .. }	Broomhill, Inverness, N.B.
1878 Mar. 5.	PERKS, ROBERT WILLIAM, M.P.	11 Kensington Palace Gardens, W.
1888 Dec. 4.	PERRY, WILLIAM ALFRED ..	Henry R. Worthington, New York, U.S.
1885 Apr. 14.	PESTONJEE, NOWROJEE .. ..	Ahmedabad, India.
T t ♦ 1860 Mar. 6.	PHILLIPS, JOSEPH .. .. ..	6 Radnor Park West, Folkestone.
1862 Mar. 4.	PICKERING, JOHN .. .. ..	110 Lexham Gardens, S.W.
1900 Apr. 3.	{ PICTON, REGINALD ERNEST, Captain R.E. .. .. .. }	

Date of  
Election.

## ASSOCIATES.

1869 Dec. 7.	{ POLLARD, CHARLES, <i>Lt.-General</i> R.E. ret. .. .. .. .. }	c.o. Grindlay & Co., Parliament St., S.W.
1897 Dec. 7.	PRICE, JOHN .. .. .. ..	15 Great George Street, S.W.
1872 Jan. 9.	PYE-SMITH, ARTHUR .. .. ..	St. Pancras Ironworks, N.W.

1891 Mar. 3.	RADCLIFFE, ALEXANDER NELSON	{ 20 Craven St., Strand, W.C. (Dr- cliffe, London. Gerrard 2505.)
1898 Jan. 11.	{ RADCLIFFE, PHILIP JOHN JOSEPH, <i>Captain R.E.</i> .. .. .. .. }	R. E. Office, Viney Quarry, Gibraltar.
1897 Dec. 7.	RAILTON, JAMES, JUN. .. .. .. ..	2 Great George Street, S.W.
1899 Jan. 10.	{ RANA, KUMAR NUR SINGH, <i>Bahadur</i> .. .. .. .. }	Khatmandhu, Nepal, India.
1883 Dec. 4.	RANDALL, JOSEPH .. .. .. ..	Warren Lane Works, Woolwich.
T t ♦ 1872 Feb. 6.	REDGRAVE, GILBERT RICHARD	{ Thrifwood, Silverdale, Sydenham, S.E.
t ♦ 1892 Jan. 12.	REDWOOD, BOVERTON, F.R.S.E.	{ 4 Bishopsgate St. Within, E.C. (Olefiant, London.)
1859 Feb. 1.	REID, JAMES .. .. .. ..	12 Wharf Road, City Road, N.
1872 May 7.	*REYNOLDS, THOMAS .. .. .. ..	{ 18 St. Swithin's Lane, E.C. (Reynolds, London.)
1870 Mar. 1.	{ RICARDE - SEAVER, FRANCIS IGNACIO, <i>Major Argentine</i> <i>Gort. Service ret.</i> , F.R.S.E.	Athenaeum Club, S.W.
1871 Feb. 7.	RICKMAN, THOMAS MILLER ..	8 Montague St., Russell Square, W.C.
1899 Jan. 10.	RIDLEY, THOMAS WILLIAM ..	Teresa Terrace, Coatham, Redcar.
1895 Dec. 3.	ROBINSON, FREDERICK ARTHUR	54 Old Broad Street, E.C.
1893 Apr. 11.	ROBINSON, JAMES CLIFTON ..	{ 88 High Road, Chiswick, W. (Tram- ways, Chiswick.)
1859 May 3.	ROBINSON, JOHN .. .. .. ..	7 Carteret Street, Westminster, S.W.
1868 May 5.	RYDON, HORACE JAMES .. ..	31 Highbury New Park, N.

1840 June 2.	{ SALE, THOMAS HENRY, <i>Colonel</i> R.E. ret. .. .. .. .. }	147 Gloucester Terrace, Hyde Park, [W.
1882 May 23.	{ SALOMONS, Sir DAVID LIONEL, <i>Bart.</i> .. .. .. .. }	49 Grosvenor Street, W.
1884 Jan. 8.	{ SANKEY, Sir RICHARD HIERAM, <i>Lt.-Gen. R.E. ret.</i> , K.C.B. .. .. .. .. }	32 Grosvenor Place, S.W.
1869 Apr. 6.	{ SARGEAUNT, RICHARD ARTHUR, <i>Colonel R.E. ret.</i> .. .. .. .. }	Westridge, Aspley Guise, Beds.
1865 Dec. 5.	SCOTT, ARCHIBALD .. .. .. ..	L. & S.W. Ry., Waterloo, S.E.
1883 Mar. 6.	{ SCOTT, BUCHANAN, <i>Colonel</i> R.E., C.I.E. .. .. .. .. }	The Mint, Calcutta.
1899 Feb. 7.	SCOTT, CHARLES THOMAS.. ..	Hampole Priory, near Doncaster.
1868 May 5.	{ SCOTT-MONCRIEFF, Sir COLIN CAMPBELL, <i>Col.</i> R.E. ret., K.C.M.G., C.S.I., L.L.D. ( <i>Edin.</i> )	11 Cheyne Walk, Chelsea, S.W.
1892 Dec. 6.	{ SCOTT - MONCRIEFF, GEORGE KENNETH, <i>Lt.-Colonel R.E.</i> , C.I.E. .. .. .. .. }	King, King & Co., Bombay.
1887 Dec. 6.	{ SCRATCHLEY, PHILIP ARTHUR, M.A. ( <i>Oxon.</i> ) .. .. .. .. }	17 Victoria Street, S.W.
1861 Feb. 5.	{ SILVER, HUGH ADAMS, <i>Col. ret.</i> 4 Vol. Batt. Essex Regt.	23 Redcliffe Square, Kensington, S.W.
1897 Dec. 7.	{ SIMPSON, EDWARD PERCY, M.A. ( <i>Oxon.</i> ) .. .. .. .. }	58 Kensington Gardens Square, W.

Date of Election.	ASSOCIATES.
1875 Apr. 6.	SMITH, CHARLES .. .. ..
1888 Apr. 10.	SMITH, JOSEPH HENRY .. .. ..
1885 May 19.	SPEIGHT, RICHARD .. .. ..
1878 Mar. 5.	SPENCER, SAMUEL .. .. ..
1896 Apr. 14.	{ SPILSBURY, EDGAR CHARLES, Major R.E. .. .. .. ..}
† 1879 Mar. 4.	SQUIRE, JOHN BARRET .. .. ..
1862 Jan. 14.	STALBRIDGE, Lord, P.C. .. .. ..
1898 Mar. 1.	STENNING, ALEXANDER ROSE .. .. ..
1871 Mar. 7.	STERNE, LOUIS .. .. .. ..
1895 Dec. 3.	STEVENS, GEORGE JAMES .. .. ..
1874 Apr. 14.	STEWART, GILBERT MACLEOD .. .. ..
1893 Dec. 5.	STEWART, JAMES, Major R.E. .. .. ..
1902 Jan. 14.	STIRLING, JAMES .. .. .. ..
1875 Jan. 12.	{ STOKES, Sir JOHN, Lt.-Gen. R.E. ret., K.C.B. .. .. .. ..}
t † 1862 May 6.	SUGG, WILLIAM THOMAS .. .. ..

1902 Feb. 4.	THALLON, JAMES FORSYTH .. .. ..	Railway Dept., Brisbane, Queensland.
1883 Jan. 9.	THEOBALD, JOHN WILSON .. .. ..	8 Fairfield Road, Croydon.
1879 Apr. 1.	{ *THOMPSON, Sir THOMAS RAIKES, Bart. .. .. .. .. ..}	67 Cornhill, E.C.
1859 May 3.	THOMSON, JOHN .. .. .. .. ..	{ Clutha, Culverden Park, Tunbridge Wells.
1880 Jan. 13.	TOPHAM, WILLIAM HAMPSON .. .. ..	{ 2 Great George Street, S.W. (Canal, London.)
1888 Mar. 6.	TRAUTWINE, JOHN CRESSON, JR. .. .. ..	257 South 4th St., Philadelphia, U.S.
1901 Dec. 3.	{ *TRAVERS, HENRY CECIL, Lieut. R.G.A. .. .. .. .. ..}	{ 2 Phillimore Gardens, Kensington, W.
1885 Dec. 1.	TURNER, SAMUEL LUCAS .. .. ..	Placerville, El Dorado Co., Cal., U.S.
1861 Mar. 5.	TYER, EDWARD .. .. .. ..	Ashwin Street, Dalston, N.E.
T t † 1853 May 3.	{ TYLER, Sir HENRY WHATELY, Captain R.E. ret. .. .. .. .. ..}	Linden House, Highgate Road, N.W.

1868 Mar. 3.	VICKERS, ALBERT .. .. ..	28 Victoria Street, S.W.
1869 Dec. 7.	VIGERS, ROBERT .. .. ..	4 Frederick's Place, Old Jewry, E.C.

1862 Dec. 2.	WADDINGTON, JOHN .. .. ..	{ 35 King William Street, E.C. (Bank 518.)
1894 Dec. 4.	WALKER, CHARLES HAY .. .. ..	15 Great George Street, S.W.
1866 Apr. 10.	{ WARREN, Sir CHARLES, Lt.-General R.E., G.C.M.G., K.C.B., F.R.S. .. .. .. .. ..}	10 Wellington Crescent, Ramsgate.
1898 Jan. 8.	WATSON, CHARLES HUBBACK .. .. ..	Johnson & Co., Greenhithe, Kent.
1884 Dec. 2.	WATSON, Sir WILLIAM .. .. ..	{ 25 Fitzwilliam Place, Dublin. (Watson, Dublin.)
1867 May 7.	WAUGH, HENRY .. .. ..	{ 13 South Croxeted Road, West Dulwich, S.E.
1871 Feb. 7.	WAUGH, JOHN .. .. ..	{ Sunbridge Chambers, Bradford. (Powerful, Bradford. 72.)

Date of Election.	ASSOCIATES.	
1879 May 6.	$\left\{ \begin{array}{l} \text{WESTERN, JAMES HALIFAX,} \\ \text{Lt.-Col. R.E. ret., C.M.G.} \end{array} \right.$	Broadway Chambers, Westminster, S.W.
1885 Feb. 3.	$\left\{ \begin{array}{l} \text{WHITAKER, WILLIAM,} \\ \text{B.A. (Lond.), F.R.S.} \end{array} \right.$	Freda, Campden Road, Croydon.
1872 Apr. 9.	WHITE, FREDERICK ANTHONY	{ 72 Fenchurch Street, E.C. (Avenue 5690.)
1872 Apr. 9.	WHITE, LEEDHAM .. .. ..	16 Wetherby Gardens, S.W.
1874 Dec. 1.	WILDE, SAMUEL JOHN .. .. ..	10 Serjeants' Inn, Fleet Street, E.C.
1898 Mar. 1.	WILKINSON, Sir JOSEPH LOFTUS	G. W. Ry., Paddington, W.
1888 Dec. 4.	WILLCOX, BENJAMIN .. .. ..	47 Lincoln's Inn Fields, W.C.
1874 Apr. 14.	WILSON, Sir ALEXANDER, Bart.	Cyclops Works, Sheffield.
1901 Dec. 3.	WINN, JOHN, Major R.E. .. .. ..	{ School of Military Engineering, Chatham.
1872 Apr. 9.	WISE, WILLIAM LLOYD .. .. ..	{ 46 Lincoln's Inn Fields, W.C. (Lloyd Wise, London, Holborn 378.)
1877 Dec. 4.	WOODHEAD, WILLIAM BOOTH .. .. ..	18 Exchange, Bradford.
1876 May 2.	WOODHOUSE, THOMAS WALTER	35 & 36 Red Lion Square, W.C.
1874 Mar. 3.	WOODS, ARTHUR .. .. ..	18 Kensington Gardens Terrace, W.
1857 May 19.	WRIGHT, JOSEPH .. .. ..	Gresham Club, Gresham Place, E.C.
1879 Feb. 4.	WYATT, WILLIAM .. .. ..	99 Radford Road, Leamington.
1882 Dec. 5.	YERBURGH, JOHN EARDLEY .. .. ..	21 Queen Anne's Gate, S.W.
1886 Feb. 2.	$\left\{ \begin{array}{l} \text{YOUNG, CARMICHAEL LIGHT,} \\ \text{Lt.-Col. R.E.} \end{array} \right.$ .. .. ..	Brightstone House, South Farn- borough.
1891 Dec. 1.	YOUNG, JOHN PRATT .. .. ..	{ Brent Knoll, Chantry Road Moseley, Birmingham.
1877 Feb. 6.	YOUNG, SEPTIMUS .. .. ..	5 Victoria Street, S.W.

Total number of Associates .. .. 293.

## S T U D E N T S.

[Stud. Inst. C.E.]

Date of Admission.	STUDENTS.	
1900 Jan. 9.	ABLETT, CHARLES ANTONY ..	{Central Technical College, Exhibition Road, S.W.
in 1895 Dec. 3.	ADAMS, BERTRAM KEITH ..	{L. & Y. Ry., Granary Yard, Calder Vale Road, Wakefield.
1900 Nov. 27.	{ADAMS, FREDERICK GUY TRE- VENNER .. .. .. ..}	10 Tavistock Road, Croydon.
1901 Jan. 8.	{ADAMS, JOHN DINGLE, B.A. (Oxon.) .. .. .. ..}	43 Campden Hill Square, W.
1899 Nov. 28.	ADAMS, LEWIS CHARLES ..	R.A. Mess, Europa, Gibraltar.
1900 Dec. 18.	ADCOCK, CECIL PHILIP ..	Serrano 98, Madrid.
1899 Nov. 28.	AGNEW, HERBERT CHARLES ..	
1902 Mar. 25.	AHSAN, MOHOMED .. .. .. ..	{Royal Indian Engineering College, Staines.
1901 Dec. 17.	AITKEN, KENNETH EDMONDSTONE	Inglefield, Totland Bay, I. of Wight.
1901 Feb. 26.	ALDERSMITH, CLAUDE HERBERT	{Seafield, Hesket Avenue, Bispham, near Blackpool.
1901 Apr. 23.	{ALEXANDER, CONNELL WILLIAM LONG, B.E. (Royal) .. .. .. ..}	Imlick, Carrigans, Londonderry.
1901 Mar. 26.	ALEXANDER, JAMES .. .. .. ..	N. E. Ry., Engineers' Office, York.
1898 Nov. 8.	{ALEXANDER, ROBERT DONALD THAIN .. .. .. .. ..}	33 Skerton Road, Old Trafford, Manchester.
1898 Dec. 6.	ALI, MIR AHMED .. .. .. ..	Chudderghat, Hyderabad, Deccan.
1899 Nov. 28.	ALLAN, HARRY ALFRED ROBERT	
1898 Dec. 20.	ALLEN, RUPERT STANLEY ..	1 Dean's Yard, Westminster, S.W.
1900 Mar. 27.	ALLOTT, CHARLES WILLIAM ..	Erlsmere, Old Trafford, Manchester.
1899 Nov. 28.	ANDERSON, HENRY .. .. .. ..	F. S. Foster, Portmadoe.
1898 Mar. 29.	ANDERSON, JOHN ARMSTRONG ..	4 Pier Road, Erith.
1899 Nov. 28.	ANNEAR, ROBERT LEE ..	Grasmere, Cathedral Road, Cardiff.
1900 Mar. 27.	ANTINORI, JOHN CHARLES ..	108 Gipsy Hill, S.E.
1899 Nov. 28.	APPLEBY, ARTHUR SHAFTO ..	10 Church Street, Durham.
1901 Dec. 11.	APPLETON, FRANCIS CASS ..	Rawden Hill, Arthington, Leeds.
1900 Nov. 27.	APTED, FRANK EARDLEY ..	712 High Road, Tottenham.
1900 Mar. 27.	{ARGYLE, REGINALD EDWARD VERE .. .. .. .. ..}	The White House, Tamworth.
1901 Dec. 11.	ARIES, RONALD BUGLER ..	{Danecroft, Lebanon Gardens, Wounds- worth, S.W.
1899 Nov. 28.	{ARMSTRONG, ALFRED HENRY, B.Sc. (Edin.) .. .. .. ..}	115 University Street, Belfast.
1901 Feb. 26.	ARTHUR, ALLAN .. .. .. ..	192A St. Vincent Street, Glasgow.
1899 Nov. 28.	ARTHUR, ROBERT .. .. .. ..	11 Gibbons Road, Bedford.
1900 Jan. 9.	ARUNDEL, FRANK DREW ..	{The Limes, Knights Park, Kings- ton-on-Thames.
1899 Feb. 14.	{ASHFORTH, GEORGE ERNEST, B.Sc. (Victoria) .. .. .. ..}	Thos. Wrigley, Contractor's Office, Cooper Bridge, Mirfield.
1899 Nov. 28.	ASTBURY, ARTHUR RALPH ..	P.W.D., Abbottabad, Punjab.
1900 Nov. 27.	ATKINS, MALCOLM RAMSAY ..	Ladram, Selborne Road, Croydon.
in 1900 Mar. 27.	{AUSTEN, HAROLD CHOLMLEY MANSFIELD .. .. .. .. ..}	Engineer's Office, Docks, Bristol.
1901 Dec. 11.	AYRIS, HENRY HAWKSLEY ..	University College, Gower St., W.C.

Date of Admission.	STUDENTS.	
1900 Nov. 27.	BACON, FREDERIC .. ..	Trinity College, Cambridge.
1899 Nov. 28.	BAIN, HAROLD BROOKLYN ..	{ Lealholme, Great Crosby, Liverpool. pool.
1900 Nov. 27.	BAKER, ERIC SAMUEL SAN- CROFT, B.A. ( <i>Cantab.</i> ) ..	66 Park Road, Newcastle-on-Tyne.
1899 Nov. 28.	BALFOUR, JOHN AYLMER ..	Irrigation Dept., Galkulam, Ceylon.
1901 Nov. 19.	BALL, JAMES DUDLEY WARD..	93 Brooklyn Street, Crewe.
1900 Mar. 13.	BALLANTYNE, WILLIAM HENRY B.Sc. ( <i>Glas.</i> ) .. .. ..	111 Hatton Garden, E.C.
1901 Dec. 11.	BARBIER, JULES EDMOND ..	13 Fitzalan Place, Cardiff.
1899 Nov. 28.	BARKER, REGINALD FREDERICK ..	{ Prof. Warren, University, Sydney, N.S.W.
1898 Mar. 22.	BARKER, WILLIAM EDWARD ..	{ Clarendon House, Mowbray, Cape Town, C.C.
1900 Dec. 18.	BARNETT, CECIL GUY .. ..	{ Royal Indian Engineering College, Staines.
1898 Mar. 29.	BARNWELL, FREDERICK ARTHUR LOWRY .. ..	Stramshall Vicarage, Uttoxeter.
1902 Mar. 25.	BARRACK, JOHN CHARLES ..	Borough Engineer's Office, Dover.
1898 Dec. 20.	BARRY, KENNETH ALFRED WOLFE .. .. .. ..	23 Delahay St., Westminster, S.W.
1897 Nov. 10.	BARTLETT, HARDINGTON ARTHUR .. .. .. ..	12 Cautley Avenue, South Side, Clapham Common, S.W.
1899 Nov. 28.	BATLEY, ALGERNON GEORGE..	{ Fern Bank, Old London Road, Hastings. [Oudh.
1899 Nov. 28.	BATTERSBY, HENRY LOUIS ..	C. S. Rennick, A.F. Ry., Partabgarh,
1898 Nov. 22.	BAYLEY, VICTOR .. .. ..	Kingsdown Home Farm House, Strat- ton, Swindon.
1898 Mar. 29.	BAYNES, PHILIP HEACOCK ..	Grove Villa, Knighton, Rads.
1901 Mar. 26.	BAYNES, RONALD CHRISTOPHER ..	{ Engineer's Office, G. W. Ry., Pad- dington, W.
1897 Mar. 2.	BEARD, SAMUEL ROBERT HARDWIDGE .. .. ..	Govt. Harbour Works, Colombo, Ceylon.
1898 Dec. 6.	BEAUMONT, EUGENE GUY EUSTON.. .. .. ..	Standard Ironworks, Colchester.
1902 Mar. 25.	BEAUMONT, ROLAND HIRST ..	Holme Lea, Grenoside, Sheffield.
1899 Nov. 28.	BEAZLEY, ARTHUR TETLEY ..	Oak Dene, Noctorum, Birkenhead.
1899 Nov. 28.	BEDBROOK, ERNEST ARTHUR ST. GEORGE .. .. ..	48 St. George's Road, S.W.
1899 Nov. 28.	BELDAM, ERNEST ASPLAN ..	The Limes, Hounslow.
1899 Nov. 28.	BELL, JAMES MALCOLM, B.Sc. ( <i>Glas.</i> ) .. .. ..	11 Westbourne Gardens, Glasgow.
1900 Nov. 27.	BELOE, WILFRID .. .. ..	{ 11 Livingstone Drive, Sefton Park, Liverpool.
1897 Feb. 16.	BENDLE, WILLIAM GEORGE ..	{ Engineer's Office, G. W. Ry., Pad- dington, W.
1897 Nov. 10.	BENJAMIN, JOSHUA BAGANDOJI, Jun.	Offin Road, Lagos, West Africa.
1902 Mar. 25.	BENNETT, DOUGLAS RAYMOND ..	Hartley College, Southampton.
1902 Mar. 25.	BENNETT-POWELL, PERCIVAL GORDON .. .. ..	Normanhyrst, Harlesden, N.W.
1897 Nov. 23.	BERRIDGE, HAROLD MEREDITH KING .. .. .. ..	Surveyor's Office, Long Eaton, Notts.
1898 Dec. 6.	BERRIE, WILLIAM CHALMERS KIRKBRIDE .. .. ..	King, King & Co., Bombay.
1900 Dec. 18.	BERY, KASHI RAM .. .. ..	P. W. D., Dehri, Bengal.
1901 Dec. 11.	BEST, ALFRED JOHN .. ..	{ 25 Elmwood Road, Herne Hill, S.E.
1900 Mar. 27.	BEST, ALFRED THOMAS .. ..	41 rue de Fréjus, Cannes, France.
1901 Mar. 26.	BEVAN, CORBY GARLAND ..	13 Goring Road, Llancelly.
1899 Nov. 28.	BIDDER, MAURICE McCLEAN ..	{ c/o H. F. Bidder, 10 Queen's Gate Gardens, S.W.

Date of Admission.	STUDENTS.	
1897 Mar. 2.	BIDEN, FREDERICK ALAN ..	{ W. & S. Works Offices, Port of Spain, Trinidad.
1900 Nov. 27.	BIRCH, HUGH MASSY ..	{ c/o Col. Massy, 96 Oakley Street, Chelsea, S.W.
1896 Jan. 21.	BISHOP, WILFRID HOCART ..	{ S. E. & L. C. & D. Rys., London, Bridge Station, S.E.
1898 Jan. 25.	{ BLACKADDER, WILLIAM, B.Sc. { (Edin.) .. .. ..	Clyde Navigation, Glasgow.
1901 Apr. 16.	{ BLACKLOCK, GEORGE HERBERT, { B.A. (Cantab.) .. .. ..	21 Delahay Street, Westminster, S.W.
1902 Mar. 18.	BLAND, CHARLES ROXBERRY ..	11 Brondesbury Park, N.W.
1900 Dec. 18.	BLENKINSOP, BERNARD ARTHUR ..	{ Royal Indian Engineering College, Staines.
1900 Mar. 27.	BLYTH, BENJAMIN HALL, Jun.	135 George Street, Edinburgh.
1901 Dec. 3.	BÖCKER, ALFRED CHARLES ..	{ 72 Salford Road, Streatham Hill, S.W.
1899 Nov. 28.	BOND, HERBERT IVODE KENTON ..	Creech, Wareham, Dorset.
1902 Mar. 18.	BONSTOW, THOMAS LACEY ..	5 Liverpool Street, Dcver.
1901 Feb. 26.	BOOTHROYD, JOSEPH ..	7 Devonshire Terrace, Bradford.
1898 Aug. 30.	BORROW, FRANK KENDALL ..	{ 38 Nevers Square, Earl's Court, S.W.
1895 Nov. 19.	BOSTOCK, ARCHIBALD THOMAS ..	{ Imperial Military Rys., Waterval-Boven, S. Africa.
1897 Mar. 15.	BOSTOCK, JOHN EDWARD ..	Admiralty Harbour Works, Dover.
1899 Nov. 28.	BOSTOCK, THOMAS MAURICE ..	{ L. B. D. C. Survey, Montgomery, Punjab.
1900 Mar. 27.	BOULTON, CHARLES VALENTINE ..	{ 17 Wandle Rd., Upper Tooting S.W.
1899 Nov. 28.	BOULTON, GEORGE STOREY ..	2 Farleigh Place, Cork.
1897 Dec. 21.	BOWERS, PERCY LLOYD ..	Ayvnmouth Dock, Bristol.
1902 Apr. 8.	BOWLER, FREDERICK THOMAS ..	1 The Promenade, Swansea.
1898 Nov. 8.	BOWREY, JAMES MILNE ..	{ c/o Electrical Adviser, Govt. Buildings, Pretoria, Transvaal.
1901 Nov. 19.	BOYD, ARTHUR, B.Sc. (Sydney.) ..	University, Sydney, N.S.W.
1901 Nov. 19.	{ BOYD, FIELDING CHARLES { ROBERT HATLEV .. .. ..	Maritzburg, Natal.
1900 Mar. 27.	BRADLEY, CECIL GUSTAV ..	Sunnyholm, Burnley.
1901 Mar. 26.	BRAILSFORD, ROBERT STANLEY ..	10 Burlington Street, Blackburn.
1899 Nov. 28.	{ BRANCKER, JAMES DONALDSON { DULANY .. .. ..	
1901 Nov. 19.	BRENNER, ALEXANDER ..	28 Hermitage Gardens, Edinburgh.
1901 Jan. 8.	{ BRERETON, CHRISTOPHER { FRANCIS SWIFT .. .. ..	King's College, Strand, W.C.
1899 Nov. 28.	BREWERTON, FRANK HOWARD ..	{ British Schuckert Electric Co., Clune House, Surrey Street, Strand, W.C.
1900 Nov. 27.	BRIETZCKE, EDMUND HENRY ..	{ 19 Cornelia Terrace, Seaham Harbour, co. Durham.
1897 Nov. 23.	BRIGHTON, FREDERICK GRANT ..	Works Dept., H.M. Dockyard, Portsmouth.
1902 Mar. 25.	BRISTOW, ALFRED HENRY ..	King's College, Strand, W.C.
1896 Mar. 31.	BROADBENT, FRANCIS JAMES ..	{ Dock Engineer's Office, N. E. Ry., Hull.
1898 Dec. 6.	BROOKE, GEORGE TOWNSHEND ..	Shackerley Hall, Albrighton, Wolverhampton.
1899 Nov. 28.	{ BROOKES, WILLIAM ROBERT { PHILPOT .. .. ..	20 Mornington Road, Bow, E.
1900 Apr. 3.	BROOMFIELD, FRANK ..	121 Grange Road E., Middlesbrough.
1899 Mar. 7.	{ BROUNGER, WILLIAM HENRY { PRESCOTT .. .. ..	N. E. Ry. Dock Extension Works, Middlesbrough.
1899 Mar. 28.	BROWN, AITHUR GOODWIN ..	Guildhall, Nottingham.

Date of Admission.	STUDENTS.	
1898 Mar. 29.	BROWN, CUTHBERT CHALMERS	4 Portland Place, Leek.
1895 Dec. 3.	BROWN, JAMES HUTCHIESON	{ 23 Princes Square, Strathbungo, Glasgow.
1900 Jan. 30.	BROWN, JOHN .. .. ..	{ East Stirling Waterworks, Buckie- burn, Denny, N.B.
1896 Nov. 24.	BROWNE, BENJAMIN CHAPMAN	{ 58 Brighton Grove, Newcastle-on- Tyne. [chester.
1898 Nov. 29.	BROWNE, DENIS ROBERT HOWE	33 Skerton Road, Old Trafford, Man- Town Hall, Rochdale.
1898 Nov. 22.	BRUCE, ROBERT .. .. ..	Waterdale, Westbury-on-Trym.
1897 Nov. 10.	BUCKLAND, GEORGE FREDERIC	New Bute Dock Contract, Cardiff.
1895 Dec. 3.	BUCKLEY, ARTHUR BURTON ..	37 Finsbury Park Road, N.
1898 Dec. 20.	BUCKNEY, THOMAS WILLIAM ..	Surveyor's Office, Bexhill.
1899 Nov. 28.	BULL, EDWIN MASSEY .. ..	The Willows, Lees, Oldham.
1898 Nov. 22.	BULLIVANT, FRANK .. ..	10 Nuding Road, Lewisham, S.E.
1901 Mar. 26.	BURFORD, ALFRED WILLIAM ..	{ 25 Wellington Road, Old Charlton, S.E.
1898 Mar. 29.	BURGE, HENRY .. .. ..	Engineer's Office, L. & Y. Ry., Kirkhain, Lancs.
1898 Nov. 22.	{ BURMAN, JOHN HAROLD, M.Sc. (Victoria) .. .. ..	7 Grosvenor Road, Richmond, Surrey.
1896 Feb. 4.	{ BURRELL, JAMES THOMAS HAROLD RICHARD HUGH LEDICOTE .. .. ..	25 Old Bank Buildings, Chester.
1898 Mar. 29.	BURTON, RICHARD .. .. ..	15 Ranelagh Avenue, Barnes, S.W.
1901 Nov. 19.	BURTON, WILLIAM ARTHUR ..	{ 18 Portsmouth Avenue, Otley Road, Bradford.
1901 Mar. 26.	BUSFIELD, JOHN .. .. ..	S. Pearson & Son, Salina Cruz, Mexico.
1898 Nov. 22.	BUTLER, JOSEPH FAWKNER ..	{ 3 Laythorpe Terrace, East Morton, near Bingley.
1899 Mar. 28.	{ BUTTERFIELD, HERBERT MITCHELL .. .. ..	Grindlay, Groom & Co., Bombay.
1900 Nov. 27.	BYRDE, EDWIN AUGUSTUS ..	City Gas Works, Saltley.
1901 Dec. 3.	BYWATER, FREDERICK JONATHAN	Engineer's Office, N.E. Ry., York.

1898 Dec. 20.	CALVI, ALBERTO ULISSE .. ..	Cairo.
1898 Nov. 8.	CAMPBELL, COLIN STUART .. ..	{ Beesly, Son & Nichols, 11 Victoria Street, S.W.
1900 Mar. 27.	CAMPBELL, HUGH .. .. ..	{ Formans and McCall, 160 Hope Street, Glasgow.
1899 Nov. 28.	CAMPBELL-BAYARD, STEPHEN	Cotswold, Wallington, Surrey.
1897 Dec. 7.	{ CARMICHAEL, PETER MAURICE STEWART .. .. ..	Christ's College, Cambridge.
1899 Nov. 28.	{ CARRUTHERS, FERDINAND GILBERT, B.A. (Cantab.) ..	J. P. Nicholson, 8 Caxton Road, Sheffield.
1902 Mar. 25.	CARTER, DANSIE WILLIAM ..	Baker Street and Waterloo Railway, Victoria Embankment, S.W.
1896 Nov. 16.	CARTWRIGHT, CECIL LEONARD	{ 893 Chester Road, Stretford, Man- chester.
1901 Jan. 22.	CARTY, SAMUEL WILFRID ..	{ 11 Ridley Place, Newcastle-on- Tyne.
1897 Nov. 10.	CASE, CECIL BERTRAM .. ..	{ 39 Victoria Street, S.W. (Hydra- gonus, London.)
1901 Nov. 19.	CASE, GERALD OTLEY .. ..	{ Case Sea Defence Syndicate, 104 High Holborn, W.C.
1900 Nov. 27.	CASTLE, CHARLES EDWARD ..	City Engineer's Office, Leeds.
1897 Nov. 10.	CHADWICK, KENNETH MURRAY	{ 26 College Avenue, New Brompton, Kent.
1900 Dec. 18.	CHAMBERS, HARRY KITSON ..	

Date of Admission.	STUDENTS.	
1901 Mar. 26.	CHAPELL, EDWIN .. . . .	Red Cottage, Weybridge.
1899 Nov. 28.	{ CHESTNEY, HERBERT WILLIAM POOLEY .. . . . .}	Jhelum Canals, Shahpur, Punjab.
1901 Nov. 27.	CHYN .. . . . .	{ Siamese Legation, 23 Ashburn Place, Kensington, S.W.
1899 Feb. 21.	CLARK, ALBERT HAWKINS ..	{ Westerleigh, Elmbourne Road, Upper Tooting, S.W.
1901 Mar. 26.	CLARK, COLIN .. . . .	John Sinclair, Durban, Natal.
1900 Jan. 30.	CLARK, JOHN MARTIN ..	12 Sydney Street, S.W.
1901 Dec. 3.	CLARK, ROBERT GEORGE ..	{ 103 Connaught Road, Roath, Cardiff.
1901 Nov. 19.	CLARKE, REGINALD HAWLEY ..	{ 17 Elmdale Rd., Tyndall's Pk., Bristol.
m 1899 Nov. 28.	CLAY, WILLIAM HENRY CHRISTY	{ Milland Ry., Engineer's Office, Derby.
1896 Nov. 16.	CLEGG, COLIN .. . . .	Clifton House, Brincliffe, Sheffield.
1902 Jan. 21.	CLIFFORD, ARTHUR CAMPBELL ..	{ c.o. E. T. Clifford, 75 Philbeach Gardens, S.W.
1902 Jan. 21.	CLOSE, ARTHUR MELVILL ..	Royal Indian Engineering College, Staines.
1898 Oct. 6.	CLOUGH, FREDERICK HORTON ..	British Thomson-Houston Co., Rugby.
1900 Nov. 27	{ CODRINGTON, CLAUDE ALEX- ANDER .. . . .}	H.M.S. "Royal Arthur," Australian Station.
1899 Nov. 28.	COLBOURNE, RUPERT LIONEL ..	Cook & Son, 13 Esplanade Road, Bombay.
1899 Nov. 28.	COLE, EDWARD ONSLOW .. . .	Boro' Engineer's Office, Middles- brough.
m 1900 Mar. 27.	COLLETT, JOHN COLET .. . .	Heysham Harbour, Lancs.
1899 Nov. 28.	COLLINGWOOD, CUTHBERT .. .	{ Isola, Heathcote Road, Boscombe, Bournemouth.
1900 Mar. 27.	COLLINS, HAROLD .. . . .	Woodstock, Merton Hall Road, Wimbledon.
1901 Nov. 19.	COLLINS, WILLIAM ALFRED ..	9 Oldfield Terrace, Acton Vale.
1898 Nov. 8.	COLYER, CECIL ALFRED ..	E. London Waterwks, Clapton, N.E.
1897 Mar. 2.	CONNOR, CHARLES .. . . .	318 Bath Street, Glasgow.
1900 Nov. 27.	CONNOR, JAMES JOHNSTONE ..	61 Albert Road, Crosshill, Glasgow.
1901 Nov. 19.	COOK, ALBERT WILLIAM ..	Cowley Mount, St. Helens, Lancs.
1899 Nov. 28.	COOK, JAMES .. . . .	{ 106 Albert Road, Crosshill, Glas- gow.
1898 Dec. 6.	COOK, JOHN POLSON .. . .	P.W.D., Lahore, Punjab.
1898 Nov. 8.	COOPER, WALTER GOUGH ..	152 Elgin Avenue, W.
1900 Feb. 13.	{ COPE, HERBERT AMBROSE, B.Sc. ( <i>Victoria</i> ) .. . . .}	{ The Croft House, Ashbourne Road, Derby.
1900 Nov. 27	CORADINE, WILLIAM ALEXANDER ..	Boro' Engineer's Office, Bethnal Green, N.E.
1900 Dec. 18.	CORNELIUS, EUSTACE HERBERT ..	Royal Indian Engineering College, Staines.
1899 Mar. 7.	CORNWALL, JOHN .. . . .	Frankfield Lodge, Cork.
1898 Mar. 15.	COSSON, CLAUDE AUGUSTIN DE ..	Turf Club, Cairo.
1902 Feb. 4.	COTTEW, CHARLES HAROLD ..	{ 3 Montague Gardens, Castle Avenue, Dover.
1902 Jan. 21.	COUESLANT, LEOPOLD DANIEL ..	22 Bath Street, Huddersfield.
1896 Nov. 16.	COUTTS, RONALD STUART ..	Baltic House, Waterfoot, Lancs.
1900 Nov. 27.	COX, HENRY ASHLEY .. . .	111 Winnoch Road, Colchester.
1897 Nov 10.	{ CRADDOCK, ARTHUR RAINS- FORD, B.Sc. ( <i>New Zealand</i> ) ..	Canterbury College, Christchurch, N.Z.
1897 Feb. 23.	CRAIG, WILLIAM HENRY PRYSE ..	5 John Dalton Street, Manchester.
1902 Jan. 28.	CRAWFORD, LEONARD GEORGE ..	{ 52 Hartington Street, Barrow-in- Furness.
1897 Apr. 6.	CREER, ALFRED DOUGLAS ..	5 Mainhead View, Exmouth.
m 1898 Jan. 25.	CRIDLAN, JOHN LIONEL ..	32 Caledonian Road, Retford.

Date of  
Admission.

## STUDENTS.

1901 Nov. 19.	CROSS, WILLIAM MARK, B.A. ( <i>Royal</i> ) .. ..	27 Great George Street, S.W.
1900 Apr. 10.	CRUM, JAMES ARTHUR .. ..	9 Hillhead Gardens, Glasgow.
1901 Nov. 19.	CRYER, EDWARD .. ..	Market Street, Shipley.
1899 Mar. 21.	CUÉ, BALTASAR FERNANDEZ..	Llanes, Asturias, Spain. [N.Z.]
1899 Mar. 7.	CULL, JOHN ERNEST LELLIOU	Canterbury College, Christchurch.
1899 Nov. 28.	CULLEY, ALFRED EDWIN ..	36 Myrtle Grove, Jesmond-on-Tyne.
1901 Nov. 19.	CUNNINGHAM, HARRY .. ..	{ 18 Knowe Terrace, Pollokshields, Glasgow.
1902 Mar. 25.	CURRIE, HUGH BOWDEN ..	48 Jesmond Rd., Newcastle-on-Tyne.

1898 Mar. 22.	DALE, BENJAMIN HERBERT ..	{ Urban District Council, Bletchley, Bucks.
1895 Nov. 5.	DANIEL, WALTER .. ..	{ Midland Ry., Heysham Harbour, Morecambe.
1900 Nov. 27.	DASHWOOD, ARTHUR PAUL ..	Kirtlington Park, Oxford.
1900 Mar. 27.	DAVIES, EDWARD AYERST ..	124 Croydon Road, Anerley, S.E.
1902 Mar. 25.	DAVIS, JOHN DARELAN DAVID	Llywn-deri, Neath.
1900 Nov. 27.	{ DAWSON, GEORGE HERBERT WRIGLEY, B.A. ( <i>Cantab.</i> ) ..	"Woodlands," Horsforth, near Leeds.
1899 Nov. 28.	DAWSON, HUMPHREY FRANCIS	Madura Club, Madura, Madras.
1901 Mar. 26.	DAY, GEORGE JAMES .. ..	5 Alexandra Road, Harrogate.
1901 Nov. 19.	DEACON, MARTIN .. ..	19 Warwick Square, S.W.
1897 Nov. 10.	DEAKIN, GEORGE WELSBY ..	20 Devonshire Road, Birkenhead.
1899 Nov. 28.	DEAN, EDWARD HAROLD ..	164 Barton Lane, Eccles.
1902 Feb. 11.	DEAN, SYDNEY HEMBRY ..	48 Lancaster Place, Blackburn.
1899 Dec. 5.	DEES, FRANK WARE .. ..	Glenora, Tasmania.
1899 Nov. 28.	DENNIS, RANDAL HAMILTON ..	Oakdene, Copland Road, Wembley.
1901 Nov. 27.	DEVENISH, WILLIAM ROBERTS	Elm Bank House, Douglas Rd., Cork.
1901 Jan. 22.	{ DICKENSON, WALTER HENRY, B.Sc. ( <i>Durham</i> ) .. ..	4 Cavendish Place, Jesmond-on- Tyne.
1899 Nov. 28.	DICKINSON, JOHN GILBERT ..	79 Rice Lane, Egremont, Cheshire.
1898 Nov. 22.	DISLEY, HERBERT ROSTON ..	{ Knot Hill House, Stacksteads, Manchester.
1900 Dec. 18.	DIXON, EDWARD .. ..	74 Bartholomew Road, N.W.
1901 Dec. 11.	DIXON, FRANK .. ..	{ 5 Woodland Gardens, Torridon Road, Hither Green, S.E. [N.W.]
1900 Nov. 27.	DIXON, JOHN LEONARD ..	11 Chester Place, Regent's Park,
1901 Jan. 22.	DONALD, ROBERT BUCHAN ..	Main Drainage, Dalmuir, Glasgow.
1898 Dec. 13.	DOVE, ERNEST PERCY .. ..	P.W.D., Mandalay Burma.
1901 Dec. 11.	DOWN, STAFFORD WILLIAM ..	Weymouth House, Badcox, Frome.
1901 Dec. 3.	DRAPER, HAROLD EDWARD ERNEST	P.W.D., Perth, Western Australia.
1898 Nov. 22.	DROWN, ALFRED ERNEST ..	{ Rydell, Lanercost Road, Tulse Hill Park, S.W.
1900 Dec. 18.	{ DU CANE, CHARLES GEORGE, B.A. ( <i>Cantab.</i> ) .. ..	Oak Villa, Saltburn-by-the-Sea.
1897 Nov. 10.	DUCKHAM, ARTHUR McDougall	{ Gasworks, Bourne Valley, Bourne- mouth.
1896 Jan. 14.	DUDFIELD, CHRISTOPHER GEORGE	{ L.C.C. Works Dept., Belvedere Road, S.E.
1899 Mar. 28.	DUDLEY, ROLAND .. ..	Town Hall, West Ham, E.
1899 Nov. 28.	DUGDALE, WILLIAM FRANCIS	61 Plymouth Grove, Manchester.
1900 Nov. 27.	DUKE, BASIL MICHAEL ..	77 Lansdowne Road, Charlton, S.E.
1898 Dec. 6.	DUKE, JOHN REGINALD HARE	State Rys., Cairo, Egypt.
1899 Nov. 28.	DUMBLETON, JOCELYN CHARLES	Royal Survey Dept., Bangkok, Siam.
1901 Nov. 27.	DUNCANSON, ALEXANDER WALKER	16 Deane Road, Fairfield, Liverpool.
1901 Apr. 23.	DUNWOODY, ROBERT BROWNE ..	Belfast Waterworks, Kilkeel, co. Down.
1899 Mar. 28.	DYER, ARTHUR REGINALD ..	26 Paddington Green, W.

Date of  
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## STUDENTS.

1896 Mar. 31.	EAST, ALFRED TOMLIN .. ..	49 Belsize Park, N.W.
1900 Mar. 27.	ECROYD, FREDERICK THOMAS ..	Boro' Engineer's Office, Keighley.
1900 Mar. 27.	{ EDWARDS, ERNEST WILLIAM JOHN .. .. .. ..}	e.o. W. J. Edwards, 32 Wentworth Road, Manor Park, E.
1900 Feb. 13.	EDWARDS, GERALD THORNHILL ..	Resident Engineer's Office, Bourne Brook Rd., Selly Oak, Birmingham.
1900 Mar. 27.	{ EDWARDS, HENRY ARTHUR ROLLESTON .. .. .. ..}	Pyeston, Halifax, Yorks.
1901 Nov. 19.	EDWARDS, RONALD WILLIAM ..	96 Truro Rd., Wood Green, N.
1899 Mar. 28.	ELDER, JOHN LOCKHART ..	17 Regent Street, Nottingham.
1901 Dec. 17.	ELLERTON, ARTHUR STANTON ..	{28 Parliament Hill, Hampstead, N.W.
1900 Dec. 18.	ELLINGTON, NOEL BAYZAND ..	69 Holland Park Avenue, W.
1900 Mar. 27.	ELLIS, HORACE WILLIAM ..	108 Wellgate, Rotherham.
1901 Feb. 12.	ELSDEN, FRANK VINCENT ..	{38 St. Stephen's Gardens, St. Margaret's, Twickenham.
1897 Apr. 6.	ELWES, HUGH GEOFFREY ..	
1900 Nov. 27.	{ ENGLEHEART, PAUL, B.A. ( <i>Cantab.</i> ) .. .. ..}	20 Croom's Hill, Greenwich, S.E.
1899 Dec. 12.	EUGSTER, OSCAR .. .. ..	Barnsbury Works, Barnsbury St., N.
1901 Nov. 19.	{ EVERARD, BERNARD, B.A. ( <i>Cantab.</i> ) .. .. ..}	Woodville, Knighton, Leicester.
1899 Mar. 28.	FALK, EDWARD .. .. ..	{4 Wilton Terrace, Marmion Road, Southsea.
1901 Jan. 8.	FANE, ALMERIC CECIL .. ..	59 Davies Street, Berkeley Sq., W.
1900 Dec. 18.	FANE, ARTHUR GEORGE CECIL ..	Royal Indian Engineering College, Staines.
1901 Nov. 19.	FANSHAWE, JOCELYN HERBERT ..	Heathmere, Hayward's Heath.
1902 Jan. 21.	{ FARMER, FRANK HARVEY, B.Sc. ( <i>Victoria</i> ) .. .. ..}	Eller How, Acrefield Road, Prenton, Cheshire.
1900 Dec. 18.	FARR, REGINALD PERCY .. ..	Royal Indian Engineering College, Staines.
1900 Jan. 16.	FARRANT, HENRY .. .. ..	Brook Heath, Sarisbury, Hants.
1899 Mar. 28.	{ FARRINGTON, CHARLES FREDERICK .. .. .. ..}	Trinity Square, Llandudno.
1899 Nov. 28.	FARWELL, GEORGE DOUGLAS ..	11 Laura Place, Bath.
1899 Nov. 28.	FENNELL, JOHN HOWARD ..	6 Hereford Road, Acton, W.
1900 Mar. 27.	FENNING, EDWARD GEORGE ..	3 St. Matthew's Road, St. Leonards.
1898 Dec. 20.	{ FERRO Y ZEA, Don ERNESTO, B.A. ( <i>Colombia</i> ) .. .. ..	Castellanos & Corral, Apartado 181, Bogota, U.S. Colombia.
1898 Dec. 6.	FIELD, WILLIAM ROBERT ..	{P.W.D., Ghaziabad - Moradabad Ry., Garmuktesur, India.
1902 Mar. 25.	FINCH, FRANK GEORGE .. ..	Council Offices, Wimbledon.
1899 Nov. 28.	FIRTH, CHARLES TURNER ..	Prospect House, Idle, Bradford.
1898 Feb. 1.	FISHWICK, CHARLES .. .. ..	{11 St. Peter's Road, St. Leonards-on-Sea.
1902 Feb. 11.	FITT, EDWARD McCARTHY ..	University College, Bristol.
1900 Mar. 27.	FITZGIBBON, WILLIAM NOËL ..	Royal Survey Dept., Bangkok, Siam.
1897 Nov. 10.	FITZSIMONS, HEBBERT WALTER ..	J. J. Webster, 39 Victoria St., S.W.
1898 Nov. 8.	{ FLETCHER, WALTER TOWNS- HEND .. .. .. .. ..}	The Chantry, Wimborne.
1896 Jan. 14.	FLETCHER, WILLIAM HARKER ..	Litherland Park, near Liverpool.
1899 Nov. 28.	FLINT, FRANK DEAN .. ..	The Beeches, Clifford's Mesne, Newent, Glos.
1897 Nov. 10.	FOLKES, TUDOR DAVID .. ..	Cader Idris, Shrubbery Road, Worcester.
1898 Nov. 22.	FOOK, CHYE TIAN .. .. ..	Gresham House, Singapore, S.S.

Date of Admission.	STUDENTS.	
1900 Nov. 27.	{ FORD, FRANK GODFREY GARLAND .. .. .. ..	Central Argentine Railway, Rosario de Santa Fé, Argentina.
1898 Dec. 6.	FORD, WALTER WILLIAM ..	Govt. Rys., Maritzburg, Natal.
1902 Mar. 25.	FORSTER, MAURICE NORMAN ..	{ L. & S. W. Ry. Loco. Works, Nine Elms, S.W.
1900 Nov. 27.	FOULIS, WILLIAM, Jun. ..	{ 2 Montgomerie Quadrant, Kelvin-side, Glasgow.
1901 Dec. 11.	{ FOWLER, GEORGE HERBERT; B.A. (Oxon.) .. .. ..	Basford Hall, Nottingham.
1899 Nov. 28.	FOWLER, SYDNEY McARTHUR ..	{ Llanberis, Glossop Road, Sanderson-stead, Surrey.
1899 Nov. 28.	FOX, ALFRED, Jun. .. .. ..	Carlos Wagner, Arequipa, Peru.
1902 Mar. 25.	{ FRANCIS, EDWARD TYRRELL; DUNKIN .. .. .. ..	21 Church Street, Warwick.
1899 Nov. 28.	FRANCIS, RONALD JOSEPH ..	50 Coolhurst Road, Shepherd's Hill,
1897 Dec. 7.	FRANK, HERBERT WILLIAM ..	25 High Petergate, York. [N.
1898 Dec. 6.	FREEMAN, RALPH .. .. ..	6 Woodberry Down, N.
1901 Dec. 3.	FUNNELL, HERBERT NICHOLAS ..	54 Aytoun Road, Stockwell, S.W.
1902 Mar. 11.	FYNES-CLINTON, ROBERT ..	{ Brush Electrical Engineering Company, Loughborough.

1899 Nov. 28.	GARDNER, CHARLES TURVILLE ..	{ Ingoldthorpe, Worple Road, Wimble-don.
1902 Mar. 25.	GARDNER, JOHN .. .. ..	9 Anerley Park, S.E.
1902 Jan. 28.	GARDNER, WILLIAM ERNEST ..	61 Pershore Road, Edgbaston.
1898 Nov. 22.	GARNETT, CRAVEN .. .. ..	{ Engineer's Office, L. & Y. Ry., Per-cival Place, Miles Platting, Man-chester.
1898 Nov. 22.	GARROCH, HENRY JOHN ..	76 Cobourg Street, Plymouth.
1898 Dec. 6.	GAUVAIN, WILLIAM PERCIVAL ..	Conaways, Ewell, Surrey.
1898 Nov. 22.	GERMAN, BERNARD FOSTER ..	{ Huntingdon House, Ashby-de-la-Zouch.
1900 Dec. 18.	GHALEB, KAMEL OSMAN ..	{ Royal Indian Engineering College, Staines. [Punjab.
1899 Nov. 28.	GIBB, ANDREW SHIRRA ..	P.W.D., Jhelum Canal, Rasul,
1898 Mar. 29.	GIBB, THOMAS .. .. ..	{ N. E. Ry., New Dock Works, Middlesbrough.
1896 Dec. 1.	GIBSON, ALEXANDER JAMES ..	{ Ry. Construction Branch, P.W.D., Sydney, N.S.W.
1902 Mar. 18.	GIBSON, DOUGLAS HEUGH ..	{ 30 Richmond Mansions, Earl's Court, S.W.
1901 Nov. 19.	{ GIBSON, LAWRENCE JAMES (DOUGLAS, M.A., B.Sc. (St. Andrews)) ..	{ Engineer's Office, Buchanan Street Station, Glasgow.
1899 Nov. 28.	GILES, HUMPHREY NOEL ..	6 Gambier Terrace, Liverpool.
1902 Feb. 4.	{ GILL, JAMES FRANCIS, (B.Sc. (Victoria)) .. .. ..	72 Strand Road, Bootle, Liverpool.
1899 Nov. 28.	GILLILAND, ALBERT HOWARD ..	{ Derwent Valley Waterworks, Bam-ford, Sheffield.
1899 Nov. 28.	GLANVILLE, ERNEST ALFRED ..	M. & G. N. Rys., Melton Constable.
1897 Nov. 10.	{ GLEADOWE, THOMAS EDWARD ANDERSON .. .. .. ..	Longmynd, Swindon.
1897 Nov. 10.	GNOSPPELLIUS, OSCAR THEODOR ..	{ W. D. Makinson, Herrestad, Kärda, Sweden.
1901 Mar. 26.	GOAD, CHARLES ERNEST, JUN. ..	53 New Broad Street, E.C.
1900 Nov. 27.	GOLDARBEITER, JOSEPH LEONARD ..	180 Regent's Park Road, N.W.
1900 Mar. 26.	GOLDSON, JOHN WILGRESS ..	3 Balmoral Place, Plymouth.
1899 Feb. 28.	GOLLA, LUCIEN CATER .. ..	Via Amadeo 45, Naples.
1902 Mar. 25.	GOODING, THOMAS OLIVER ..	Bentworth, Woolston, Southampton.

Date of Admission.	STUDENTS.
1900 Mar. 26.	{ GORDON, GEORGE FRANCIS CARTER, B.A. ( <i>Cantab.</i> ) .. } Blackhill House, Cumbernauld Road, Dennistoun, Glasgow.
1901 Mar. 26.	{ GRACE, LAWRENCE THORNE- WAITE .. .. .. } 33 Munster Square, N.W.
1901 Feb. 12.	GRANGER, JOHN MAXWELL .. { 72 Garthland Drive, Dennistoun, Glasgow.
1895 Dec. 3.	GRANT, ALISTAIR MANN .. Highland Railway, Inverness. [W.
1900 Mar. 6.	GRANT, EWAN MAITLAND .. 41 St. Dunstan's Rd., W. Kensington, Mountain Copper Co., Keswick, Calif., U.S.
1898 Nov. 8.	GRAY, GEORGE WYNTER .. { 34 Burney Street, Greenwich, S.E.
1901 Jan. 8.	GREEN, FREDERICK MICHAEL .. Peoynton, Cheshire.
1902 Jan. 28.	GREENWELL, GEORGE HAROLD .. { 34 Burney Street, Greenwich, S.E.
1899 Nov. 28.	GREG, LIONEL HYDE .. .. { c/o Mrs. Greg, 62 Albert Hall Mansions, S.W.
1902 Mar. 25.	GREGORY, REGINALD VICTOR .. 199 Anerley Road, Anerley, S.E.
1901 Mar. 26.	GREIG, BENJAMIN WILLIAM PATON { Candelaria Mining Co., San Pedro, Chihuahua, New Mexico, U.S.
1900 Nov. 27.	GRIBLE, CONRAD .. .. N.E. Ry., Engineer's Office, York.
1901 Nov. 27.	GRIFFITHS, HARRY MELVILLE .. { Royal Indian Engineering College, Staines.
1898 Nov. 8.	GRIMSTON, FRANCIS SYLVESTER .. 27 Glenluee Road, Blackheath, S.E.
1901 Dec. 11.	GRINLING, ARTHUR JOHN .. 32 Friar Gate, Derby.
1899 Nov. 28.	GRINLINGTON, JOHN LIESCHING .. { c/o H. S. Liesching, Trinity House, E.C.
1901 Dec. 17.	{ GRUBB, DAVID PATON, .. .. } Royal College of Science, South B.Sc. ( <i>Edin.</i> ) .. .. Kensington, S.W.
1899 Nov. 28.	{ GUEST, Hon. LIONEL GEORGE WILLIAM .. .. .. } Canford Manor, Wimborne.
1896 Nov. 16.	GUEST, ROBERT .. .. .. { Old Castle, Kinnersley, Hereford- shire.
1898 Mar. 15.	GULLAND, CHARLES .. .. King, King & Co., Bombay.
1901 Nov. 27.	GUNSON, ERNEST .. .. 87 Abbey Road, Barrow-in-Furness.
1900 Feb. 27.	HADDIN, JOHN .. .. .. { 4 Millbrae Crescent, Langside, Glasgow.
1899 Nov. 28.	HADOW, RAYMOND PATRICK .. The Shire Hall, Nottingham.
1902 Mar. 25.	HALLOWES, BLACKWOOD .. ..
1901 Mar. 26.	HALLWARD, WALTER TOKE ..
1901 Nov. 19.	HAMER, JOHN PARKINSON .. { Oakley, St. Andrew's Road, St. Anno's-on-Sea.
1900 Mar. 27.	HAMPSON, HENRY ALGERNON .. Simpson & Co., Grosvenor Rd., S.W.
1901 Mar. 26.	HANDY, CHARLES EDWARD .. { 7 North Cliff, Walton Parade, Preston.
1900 Nov. 27.	HANSON, HAROLD .. .. .. Holmwood, Edgerton, Huddersfield.
1895 Nov. 26.	HARDCastle, HENRY ARTHUR .. Newcastle and Gateshead Water- works, Newcastle-on-Tyne.
1901 Dec. 3.	HARDIE, JOHN ALFRED .. .. Tighnaburn, Glasgow Road, Paisley.
1902 Mar. 25.	{ HARMAN, FREDERICK BERKELEY BRUCE .. .. .. } 113 Winnock Road, Colchester.
1901 Dec. 3.	HARRIS, ALFRED RICHARD .. 98 Hazelville Rd., Hornsey Lane, N.
1900 Nov. 27.	HARRIS, CHARLES WILLIAM .. Harbour Trust, Sydney, N.S.W.
1897 Nov. 10.	HARRISON, ERNEST YOUNG .. Borough Surveyor's Office, Leicester.
1898 Dec. 6.	{ HASLUCK, PERCY PEDLEY HARFORD .. .. .. } The Wilderness, Southgate, N.
1901 Dec. 11.	HAWTHORNE, WILLIAM, B.A. ( <i>Royal</i> ) .. .. .. Kircubbin, co. Down.
1900 Nov. 27.	HAYES, ARTHUR EDWARD .. "Mansfield," Stony Stratford.
1902 Mar. 25.	HEAP, HUGH PERCY .. .. New Dock Works, Southampton.

Date of Admission.	STUDENTS.	
1899 Mar. 28.	{ HEATHER, AUBREY GEORGE FORSTER .. .. .. ..	Macartney, McElroy & Co., Esplanade Buildings, Durban, Natal.
1901 Nov. 19.	{ HEDEN, ERNEST CHARLES BURGESS, B.A. ( <i>Sydney</i> ) ..	Coromandel, Hargrave Street, Paddington, New South Wales.
1898 Nov. 8.	HEENAN, JOHN HAMMERSLEY	Harbour Works, Durban, Natal.
1899 Nov. 28.	HENRIQUES, CYRIL QUIXANO ..	W. Watson & Co., Bombay.
1897 Nov. 10.	{ HENRIQUES, EDWARD CECIL QUIXANO .. .. .. ..	35 Mount Pleasant, Waterloo, Liverpool.
1900 Nov. 27.	HENRIQUES, FRANK CHARLES ..	{ 75 Oxford Gardens, North Kensington, W.
1902 Mar. 25.	HEPWORTH, WILLIAM .. ..	Lanes & Yorks. Ry., Bolton.
1900 Feb. 13.	HEWLETT, PHILIP RUFFORD ..	166 Willesden Lane, Brondesbury, N.W.
1898 Feb. 15.	HEWSON, JOHN TELFORD SYDNEY	Improvement Trust, Bombay.
1899 Nov. 28.	HEYWOOD, THOMAS EDWARD ..	65 Cathedral Road, Cardiff.
1899 Nov. 28.	HICKMAN, DEVERELL .. ..	{ 57 Alleyn Park, West Dulwich, S.E.
1899 Nov. 28.	HICKS, GEORGE AUGUSTUS ..	{ c/o Mrs. Hicks, 4 Northcote Avenue, Ealing, W.
1899 Dec. 5.	HIGGINSON, RALPH BINGHAM ..	Water Supply, Fremantle, Western Australia.
1901 Nov. 19.	{ HINDLEY, OLIVER WALTER, B.A. ( <i>Cantab</i> ) .. .. ..	e.o. Hindley & Wilkinson, 68 Welbeck Street, W.
1897 Jan. 12.	HIPWOOD, JOHN WILLIAM ..	279 Manchester Road, Burnley.
1902 Mar. 25.	{ HODGSON, HUBERT MERVYN TYLSTON .. .. .. ..	Harpden, Herts.
1900 Nov. 27.	HODGSON, JOSEPH POLLARD ..	{ J. J. Webster, 39 Victoria Street, S.W.
1902 Mar. 25.	HODGSON, REGINALD .. ..	8 Richmond Place, Brighton.
1895 Nov. 26.	HOGARTH, WILLIAM HUGH ..	Littleworth Common, Burnham, Maidenhead.
1902 Mar. 25.	HOGG, CHARLES WILLIAM ..	12 India Street, Glasgow.
1902 Jan. 21.	HOGG, JOHN MACKINTOSH ..	{ Crouch & Hogg, 53 Bothwell Street, Glasgow.
1901 Mar. 26.	HOGG, WILLIAM EDWARD ..	7 Westover Road, Wandsworth, S.W.
1899 Nov. 28.	HOLDEN, HUON .. ..	Cwm Elau, Rhayader, Radnor.
1897 Nov. 10.	HOLLIDAY, JAMES HARRY ..	{ St. Luke's Rectory, Miles Platting, Manchester.
1896 Mar. 17.	HOLLIDAY, JOHN .. .. ..	4 St. Thomas Rd., Harlesden, N.W.
1901 Dec. 11.	HOLLIS, GEOFFREY CHARLES ..	21 Bassett St., Camborne, Cornwall.
1899 Jan. 17.	HOLMES, FRANCIS GREAME ..	L. & Y. Ry., Hunt's Bank, Manchester.
1899 Nov. 28.	HOMER, ERNEST ERIC FERRIS	Godlington House, Swanage.
1899 Nov. 28.	HOPE, HENRY JAMES .. ..	
1900 Dec. 18.	HORNE, GEORGE REMINGTON ..	Tremayne, Wynberg, Cape Colony.
1900 Dec. 18.	HORNE, WILLIAM NEVILL ..	
1900 Dec. 18.	HORWOOD, CUTHBERT BARING	{ Irthington Vicarage, Brampton, Cumberland.
1900 Mar. 6.	HOUNSFIELD, ARTHUR GERALD	Les Moulins, Sèvres, France.
1896 Mar. 3.	HOUNSFIELD, FRANCIS CECIL ..	{ 27 Beech Grove, Ashton-on-Ribble, Lancs.
1901 Nov. 19.	HOUNSFIELD, LESLIE HAYWOOD	Royal College of Science, South Kensington, S.W.
1901 Nov. 19.	HOYLE, EDGAR .. .. ..	King's College, Strand, W.C.
1899 Jan. 10.	{ HUDDART, LINDOW HEReward LEOFRIC, B.A. ( <i>Cantab.</i> ) ..	2 Chatsworth Gardens, South Cliff, Eastbourne.
1897 Nov. 10.	HUDSON, FREDERICK NOEL ..	{ Woodmancote Place, Henfield, Sussex.
1898 Dec. 20.	HULL, GERALD EDWIN .. ..	St. Mary's Hall, Coventry.
1901 Mar. 26.	HUMAN, ARNOLD HENRY ..	62 Birdhurst Road, S. Croydon.
1900 Nov. 27.	{ HUMFREY, JOHN CHARLES WILLIS, B.Sc., ( <i>Victoria</i> ) ..	St. John's College, Cambridge.
1901 Nov. 27.	HUNT, GEORGE EDWARD ..	Fingarry, Milton of Campsie, N.B.
1899 Jan. 31.	HUNTER, JOHN INGLIS .. ..	1 Albany Terrace, Windsor.

Date of  
Admission.

## STUDENTS.

1898 Feb. 22.	HURLBATT, EDGAR SIMM	
1900 Nov. 27.	{ HUSBANDS, HENRY WILLIAM SPURR .. .. .. .. }	Vale House, Canterbury.
1898 Nov. 22.	HUTTON, CHARLES INGLIS ..	{ 20 Lime Grove, Chorlton-eum- Hardy, Lancs. [Shipley.]
1898 Dec. 13.	HUTTON, WILLIAM AUSTIN ..	Wrose View, Moor Head Lane,
1901 Mar. 26.	HUXHAM, WILLIAM HENRY ..	91 Salisbury Road, Plymouth.
1902 Mar. 18.	IMBER, ARTHUR HENRY ..	King's College, Strand, W.C.
1898 Mar. 29.	INGRAM, NORMAN MURRAY ..	Boro' Surveyor's Office, Rotherham.
1902 Mar. 11.	ISLE, WILLIAM COLLISON ..	247 Hyde Park Road, Leeds.
1899 Nov. 28.	IZAT, JOHN .. .. .. ..	{ Hardwar, Rurki Division, Upper Ganges Canal, India.

1899 Nov. 28.	{ JACKSON, EDWARD ROBERT HOUTON .. .. .. .. }	Port Trust, Bombay.
1899 Nov. 28.	JACOBS, SYDNEY .. .. .. ..	
1897 Nov. 10.	{ JACOMB-HOOD, MALCOLM SUTHER- LAND .. .. .. ..	{ J. P. O'Donnell, Palace Chambers, Westminster, S.W.
1900 Mar. 27.	JAMESON, JOHN JULIUS IRVINE ..	{ J. Southe, Box 4056, Johannesburg, Transvaal.
1900 Mar. 13.	JAMESON, SAMUEL ROSS .. ..	Astor House, Shanghai.
1900 Mar. 27.	JANSEN, EDWARD CLINTON ..	N.W.Ry., Quetta, India.
1898 Mar. 29.	JANSON, VINCENT TINDALL ..	Greymouth, N.Z.
1900 Dec. 18.	JAY, WILLIAM CLOUSTON ..	56 Gauden Road, Clapham, S.W.
1898 Dec. 20.	JENKIN, IVOR WILFRID ..	86 Guildhall Street, Folkstone.
1901 Nov. 19.	JENKINS, WILLIAM LIONEL ..	Reddeholm, Duffield Road, Derby.
1901 Dec. 3.	JENNINGS, FRANK PERCY ..	Woodside, Wath-on-Dearne, Yorks.
1898 Dec. 6.	JOHNSON, CHARLES CUTHBERT ..	P.W.D., Larkana, India.
1900 Mar. 27.	JOHNSON, HARRY OSCAR .. ..	163 Grosvenor Road, S.W.
1899 Nov. 28.	JOHNSON, HUBERT COLPOYS ..	{ David Simson, Casilla de Correo, 741, F. C. Oeste, Buenos Aires.
1900 Mar. 27.	JOHNSON, JOHN .. .. .. ..	3 White Hart Lane, Wood Green, N.
1898 Nov. 22.	JOHNSTON, CHARLES .. ..	{ City of London Electric Lighting Co., Bankside, S.E.
m 1897 Mar. 29.	JONES, ADRIAN BROOKHOLDING ..	Boro' Engineer's Office, Folkestone.
1899 Nov. 28.	JONES, CYRIL WALTER .. ..	Pritchard, Green & Co., 37 Waterloo Street, Birmingham.
1898 Nov. 22.	JONES, GERALD LLOYD .. ..	
1896 Nov. 16.	{ JONKLAAS, ALGERNON CLARENCE BYRDE .. .. .. ..	P.W.D., Jacla, Ceylon.
1899 Nov. 28.	JOSSELYN, EDWARD .. .. .. ..	{ A. Ransome & Co., Stanley Works, Newark-on-Trent.

1897 Jan. 26.	KEAY, WILLIAM GREGORY ..	21 Delahay Street, Westminster, S.W.
1898 Jan. 18.	KENNEDY, JOHN McFARLANE ..	1 Queen Anne Street, W.
1899 Nov. 28.	KENNEDY, WILLIAM HENRY ..	W. Watson & Co., Bombay.
1901 Dec. 11.	KESTING, ROBINSON FRIEDRICH ..	{ Lynwood Grange, Heaton Road, Newcastle-on-Tyne.
1901 Nov. 19.	KETTLE, LAURENCE JOSEPH ..	82 Sonneggstrasse, Zürich.
1899 Mar. 21.	KIBBLE, EDMUND DAVID ..	52 West Cromwell Road, S.W.
1902 Feb. 4.	{ KIERNAN, THOMAS JOHN RANSOM .. .. .. ..	21 Fawnbrake Avenue, Herne Hill, S.E.

Date of Admission.	STUDENTS.	
1897 Feb. 16.	KILICK, JOHN SPENCER ..	Barming, Maidstone.
1899 Nov. 28.	KIMBER, TRAJAN SEPTIMUS ..	15 Brent Road, Plumstead, S.E.
1901 Dec. 17.	KING, CECIL GEORGE CHARLES ..	The Elms, Harlesden, N.W.
1900 Nov. 27.	KIRBY, FREDERICK OSCAR ..	Carlton House, Batley.
1895 Nov. 5.	KIRKBY, HENRY MCKENZIE ..	33 Fielding Road, Bedford Park, W.
1899 Nov. 28.	KITCHIN, ERIC WILFRED ..	The Priory, Langley Road, Watford.
1897 Dec. 7.	{ KNIGHT, JOHN ARTHUR, B.Sc. ( <i>Victoria</i> ) .. .. .. } G.C.Ry. Contract, Wembley.	
1899 Nov. 28.	KNOWLES, GUY JOHN FENTON ..	Trinity College, Cambridge.
1901 Dec. 17.	{ KRETSE, HERBERT KENNETH, DE .. .. .. .. .. } Mrs. Fleming, 69 West End Park Street, Glasgow.	
1900 Nov. 27.	LAGERWALL, FRANK GORDON ..	{ Aberdeen S. N. Co.'s Wharf, Limehouse, E.
1902 Jan. 21.	{ LAING, JAMES NIVEN, B.Sc. ( <i>Victoria</i> ) .. .. .. }	Berry's View, Queen's Park, Manchester.
1897 Nov. 10.	LAKE, WALLACE STICKLAND ..	2 Marlborough Road, Plymouth.
1899 Jan. 10.	LAKIN-SMITH, CLIFFORD ..	{ 184 Hagley Road, Edgbaston, Birmiugham.
1899 Mar. 21.	LANDON, CYRIL .. .. ..	8 Chichele Road, Cricklewood, N.W.
1900 Nov. 27.	LANDON, JOSEPH WHITTINGTON ..	Sidney Sussex College, Cambridge.
1898 Mar. 29.	LANE, HUGH SEPTIMUS ..	Government Railways, Ceylon.
1901 Apr. 16.	{ LANE, THOMAS REGINALD, PELIHAM .. .. .. .. .. }	{ L. & Y. Ry., Engineer's Office, Manehester.
1901 Mar. 12.	LANGTON, AUBREY RICHARD ..	13 Calverley Park, Tunbridge Wells.
1901 Nov. 19.	LAPAGE, JOHN NORMAN ..	Ripley Lodge, Belvedere, Kent.
1901 Nov. 19.	{ LAW, ALEXANDER HENRY, B.A., B.A.I. ( <i>Dul</i> ) .. .. .. }	5 Holmside Place, Heaton-on-Tyne.
1900 Mar. 27.	LAWRENCE, FREDERICK .. ..	
1901 Nov. 19.	LAWSON, FRANCIS MALCOLM ..	96 Great Victoria Street, Belfast.
1901 Mar. 26.	LAWSON, WILLIAM .. .. ..	10 Burdon Terrace, Newcastle-on-
1899 Nov. 28.	LAWTON, HAROLD .. .. ..	98 High Street, Poole. [Tyne.
1899 Jan. 10.	LEA, DONALD HENRY .. ..	Jesus College, Cambridge.
1901 Dec. 11.	LEE, HAYDN .. .. .. ..	{ St. Aubyns, Morris Lane, Kirkstall, Leeds.
1900 Jan. 30.	LEE, WALTER .. .. ..	38 Worple Road, Wimbledon, S.W.
1900 Nov. 27.	LEEPER, LEONARD .. .. ..	{ Boro' Surveyor's Office, Great Yarmouth.
1900 Nov. 27.	LEGARD, DIGBY, B.A. ( <i>Cantab</i> ) ..	9 Cleveland Row, St. James's, S.W.
1898 Nov. 8.	LEGGE, FRANCIS AUGUSTUS ..	The Palace, Lichfield.
1898 Mar. 29.	LEGGE, RONALD GEORGE ..	Northgate House, Warwick.
1902 Feb. 4.	LEHURAUX, RENÉ EDMUND ..	11 Trebovir Rd., Earl's Court, S.W.
1900 Nov. 27.	LEIGHTON, ARTHUR .. ..	7 Oxford Road, Birkdale, Lancs.
1898 Dec. 6.	LESTER, LLEWELLYN ROLLS ..	Clifton, Rugby.
1901 Nov. 19.	LINDLEY, EDWARD SEARLES ..	13 Park Parade, Cambridge.
1899 Nov. 28.	LINES, CECIL BERTRAND ..	
1897 Dec. 7.	LING, JOHN RICHARDSON ..	Highfield, Wath-upon-Dearne.
1898 Dec. 13.	LINSKILL, WILLIAM ARTHUR ..	19 Seamer Road, Scarborough.
1896 Jan. 7.	LIST, JOHN FORSTER .. ..	{ Mrs. Crawford, 1 Lawrence Street, Dowanhill.
1901 Mar. 26.	LISTER, JOHN EDWARD .. ..	5 Priory Place, Sharow, Sheffield.
1896 Jan. 7.	LITTLE, MALCOLM .. .. ..	3 Roundhay Terrace, Leeds.
1899 Nov. 28.	LLETGET-SARDE, VICTOR ..	43 Woburn Place, Russell Sq., W.C.
1901 Apr. 16.	LLOYD, HERBERT FETHERSTON ..	Coleshill Lodge, Sutton Coldfield.
1900 Nov. 27.	LOGGIN, GEORGE NICHOLAS ..	Harbour Works, Gibraltar.
1901 Dec. 11.	LOMAS, KENNETH THURSTON ..	3 Gauden Road, Clapham, S.W.
1898 Mar. 29.	LONGLEY, ROBERT JAMES ..	13 Clarendon Place, Leeds.
B 1901 Jan. 22.	LOWE, JAMES .. .. .. ..	W. Foulis, 45 John Street, Glasgow.

Date of  
Admission.

## STUDENTS.

1900 Mar. 27.	LOWSEY, SYDNEY EVAN ..	Boro' Surveyor's Office, Catford, S.E.
1895 Oct. 22.	{ LUCAS, FREDERIC HORACE .. FAVIELL .. .. .. }	Edmund Nuttall, Cumberland Road, Bristol.
1899 Nov. 28.	LUCAS, PETER NOEL ARTHUR ..	
1900 Mar. 27.	{ LUKE, RICHARD CHARLES .. MONTAGUE .. .. .. }	23 Seaton Avenue, Mutley, Plymouth.
1900 Nov. 27.	LUNDIE, CORNELIUS RONALD ..	136 Newport Road, Cardiff.
1898 Mar. 29.	LYLE, TOM FORTESCUE .. ..	3 Portland Street, Exeter. [S.E.]
1901 Nov. 19.	LYONS, NICHOLAS DANIEL ..	54 Belvedere Rd., Upper Norwood,

1897 Dec. 21.	MACCALL, WILLIAM TOLMÉ ..	Dalton Hall, Victoria Park, Manchester.
1900 Dec. 18.	McCALLUM, ROBERT TOWSON ..	Holly Bush House, Osmaston Road, Derby.
1902 Feb. 11.	{ McClure, ANDREW, B.A. ( <i>Oxon.</i> ) .. .. .. }	Bamford, Sheffield, Derbyshire.
1899 Nov. 28.	McCRAITH, BERNARD .. .. ..	
1897 Dec. 7.	MACDERMOTT, OWEN LEONARD ..	W. B. Myers-Beswick, 14 Victoria Street, S.W.
1898 Nov. 22.	McDONALD, THOMAS JAMES ..	G.E. Ry., Gorleston, Yarmouth.
1899 Nov. 28.	MACDONELL, OLIVER STEPHEN ..	Horsehay Co., Horsehay, Salop.
1897 Nov. 23.	{ McFADYEAN, WILLIAM .. MATTHEWS .. .. .. .. }	Royal Edward Dock Works, Avonmouth, Bristol.
1899 Nov. 28.	MACKAY, JOHN MITCHELL ..	Boro' Engineer's Dept., Town Hall, Upper Street, Islington, N.
1902 Mar. 25.	MACKENZIE, ALLAN CAMPBELL ..	Eriadale, Inverness, N.B.
1899 Nov. 28.	{ MACKENZIE, COLIN CHARLES .. FORBES .. .. .. .. }	Mortimer Lodge, Mortimer, Berks.
1899 Nov. 28.	McKENZIE, KENNETH EDWARD ..	251 Renfrew Street, Glasgow.
1901 Nov. 19.	{ MACINTOSH, JAMES RAE, B.Sc. ( <i>Glas.</i> ) .. .. .. }	Crompton & Co., Salisbury House, London Wall, E.C.
In 1901 Feb. 26.	MCLEAN, WILLIAM HANNAH ..	Formans & McCall, 160 Hope Street, Glasgow.
1900 Dec. 18.	MACLENNAN, FREDERICK JAMES ..	The Oaks, West End, Chobham, Surrey.
1898 Nov. 22.	MACLEOD, HUGH TORQUIL ..	Beechcroft, Teignmouth.
1901 Nov. 19.	{ MACLUCKIE, REGINALD WILLIAM, B.Sc. ( <i>Edin.</i> ) .. .. .. }	Waldeck's Plant, near Barkly West, Griqualand West, S. Africa.
1901 Apr. 16.	McMURDO, ARCHIBALD HUGH ..	1 Annette St., Crosshill, Glasgow.
1896 May 5.	MACNEE, DANIEL .. .. .. ..	Roselands, Surbiton Hill.
1899 Nov. 28.	{ MANN, ERNEST EDWIN, B.Sc. ( <i>Victoria</i> ) .. .. .. }	13 Algernon Road, Kilburn, N.W.
1900 Nov. 27.	MANN, THOMAS HOWELLIS ..	25 Lexham Gardens, Kensington, W.
1899 Nov. 28.	MARGARY, THOMAS LOUIS ..	Eastern Bengal State Ry., Calcutta.
1900 Dec. 18.	MARIE, CAROLUS, B.Sc. ( <i>Glas.</i> ) ..	{ 11 Jenappes Street, Port Louis, Mauritius.
1902 Mar. 18.	MARLOW, WILLIAM JOHN ..	King's College, Strand, W.C.
1896 Jan. 7.	MARRIAN, HAROLD GREENWOOD ..	{ 1 Pine Mansions, Gondar Gardens, W. Hampstead, N.W.
1899 Nov. 28.	MARRIOTT, EDWARD GUY ..	M. & G.N. Rys., Melton Constable.
1897 Dec. 7.	MARTIN, ARTHUR WALLACE ..	Ciyanarcitos, Carrizal Bajo, Chile.
1899 Nov. 28.	MARTIN, HENRY THORPE ..	146 West Regent Street, Glasgow.
1899 Nov. 28.	MARTIN, OSWALD STUART ..	57 Albert Gate Mansions, S.W.
1899 Dec. 5.	MARTIN, RICHARD HARINGTON ..	10 Canapden House Road, W.
1900 Jan. 9.	{ MARTIN, VINCENT JOSEPH, M.Sc. ( <i>Victoria</i> ) .. .. .. }	County Bridgemaster's Office, County Council, Preston.
1901 Mar. 26.	MATHEW, HAROLD BERTRAM ..	Borough Engineer's Office, Dover.
1895 May 21.	MATHIESON, JAMES GRAY ..	{ Bryn Coed, Crescent Road, Chingford, Essex.

Date of Admission.	STUDENTS.
1901 Jan. 8.	MATTHEWS, RICHARD BORLASE
1898 Nov. 8.	MATTHEWS, THOMAS LEIGH ..
1900 Apr. 3.	{ MAY, ARTHUR HENRY .. B.A. ( <i>Cantab.</i> ) .. .. ..
1902 Mar. 25.	MAYHEW, ERNEST FORD WATSON
1902 Mar. 25.	MEAD, JOHN ROBERT .. ..
1899 Nov. 28.	MEADEN, BERTRAM GRANT ..
1901 Dec. 11.	MELLOR, ARTHUR LEES .. ..
1897 Apr. 6.	MERCER, LAURENCE LESTOCK
1902 Mar. 25.	MEYRICK, FREDERICK CHARLES
1901 Dec. 11.	MICHAEL, RICHARD EDWARD ..
1901 Nov. 19.	MIDDLETON, CYRIL .. .. ..
1900 Mar. 27.	MIDDLETON, HARRY .. .. ..
1899 Nov. 28.	{ MIDDLETON, JAMES HUTTON .. TABOR .. .. .. ..
1895 Feb. 26.	{ MIDDLETON, PERCY ALBERT .. HIRST .. .. .. ..
1901 Dec. 11.	MLEHAM, CHRISTOPHER JOHN
1900 Nov. 27.	MILLER, ANDREW .. .. ..
1898 Dec. 20.	MILLER, FRANCIS SAMUEL ..
1901 Nov. 19.	MILLER, HUGH ALEXANDER ..
1902 Mar. 11.	MILLIKEN, ROBERT CECIL ..
1899 Nov. 28.	MILNER, JAMES DALTON ..
1897 Nov. 23.	MINNITT, HENRY WILLIAM ..
1900 Apr. 10.	MINORS, ERNEST .. .. ..
1900 Nov. 27.	{ MITCHELL, ALEXANDER .. CAMERON, JUB. .. .. ..
1901 Dec. 11.	MOBERLY, CHARLES NOEL ..
1899 Nov. 28.	MOLONY, JOHN CHARLES ..
1901 Nov. 19.	{ MONCKTON, OLIVER PAUL .. B.A. ( <i>Cantab.</i> ) .. .. ..
1901 Nov. 19.	MONK, REUBEN GEORGE .. ..
1900 Nov. 27.	{ MONRO, KENNETH NEAL .. B.A. ( <i>Cantab.</i> ) .. .. ..
1898 Nov. 8.	{ MONRO, ROBERT GODFREY .. B.A. ( <i>Cantab.</i> ) .. .. ..
1899 Nov. 28.	MONTAGUE, JOHN EDWARD ..
1898 Nov. 22.	MOORE, EVERETT WILLIAM ..
1900 Mar. 27.	{ MORAES, ENRICO JOSÉ PEREIRA .. DE .. .. .. ..
1898 Dec. 6.	MORCOM, NORMAN ALFRED ..
1899 Nov. 28.	MORGAN, JOHN DAVID .. ..
1899 Nov. 28.	{ MORGAN, JOHN GODFREY YULE .. DELMAR .. .. .. ..
1902 Mar. 25.	MORGAN, SYDNEY HCBERT ..
1902 Mar. 25.	MORRIS, RICHARD VIVIAN ..
1899 Nov. 28.	MORRISON, ROBERT HENRY ..
1898 Dec. 6.	MOSER, RICHARD CECIL .. ..
1899 Dec. 12.	MOSS, RICHARD CECIL .. ..
1899 Feb. 14.	{ MOSTYN, ROBERT VIVIAN .. WILKINSON .. .. .. ..
1898 Jan. 18.	MOTT, SYDNEY FRANK .. ..
1900 Dec. 18.	{ MOUNT, ALAN HENRY .. LAURENCE .. .. .. ..
	51 Ladbroke Grove, W. Admiralty Harbour Works, Dover. 13 Clevedon Mansions, Gospel Oak, N.W. 47 Victoria Street, S.W. Stapehill, Burton-on-Trent. 70 Gillott Road, Birmingham. Meols Hall, Southport. { S. Pearson & Son, Coatzacoalcos, Mexico. Shire Hall, Nottingham. Brook House, Tylorstown, Glam. (City Engineer's Office, Newcastle- on-Tyne. { W. G. Laws, 40 Grey St., Newcastle- on-Tyne. Khanke, Punjab. Eng. Dept., R. M. Ry., Ajmere, India. 12 Albert Rd., Regent's Park, N.W. Hallside, Newton, near Glasgow. 3 Hartslill Road, Stoke-on-Trent. Fairfields, Tuddenham Rd., Ipswich. 1 Plowman Street, Rugby. Town Hall, Hull. Kingston Hill, Norbiton, S.W. { Borough Engineer's Office, Town Hall, Wolverhampton. Weston House, Halewood, near Liverpool. Cottesmore, Tuddenham Rd., Ipswich. Winton, Canterbury. Laundimer House, Oundle. { 23 Dickinson's Square, Croxley Green, Rickmansworth. Oakfield, Coombe Wood, Kingston- on-Thames. Coombe Wood, Kingston-on-Thames. Leigh Woods, Clifton, Bristol. 4 Portland Street, Gillygate, York. e.o. Pinto Leite & Nephew, 45 Moorgate Street, E.C. P.W.D., Alexandria, Egypt. 30 Whitehall Road, Handsworth, Staffs. Effingham House, Copthorne Craw- ley, Sussex. 60 Wilson Street, Derby. Kent Waterworks, Deptford, S.E. Mondello Lodge, Eastbourne. { e.o. C. E. Moser, 67 Queen's Gar- dens, Hyde Park, W. St. Aubyns, Ballybrack, e.o. Dublin. Rothay House, Peak Hill, Syden- ham, S.E. { Westmoreland Lodge, Wisteria Road, Lewisham, S.E. Royal Indian Engineering College, Staines.

Date of  
Admission.

## STUDENTS.

1896 Dec. 1.	MOYS, HERBERT .. ..	111 Nine Elms Lane, South Lambeth, S.W.
1899 Nov. 28.	MUNCE, JAMES STILWELL ..	Holywood, co. Down.
1902 Apr. 22.	MURPHY, JOHN JOSEPH ..	Watercourse Mill Road, Cork.
1902 Jan. 28.	{ MURRAY, RONALD CHARLES SCOTT, B.A. ( <i>Cantab.</i> ) ..}	7 The Sanctuary, Westminster, S.W.
1902 Mar. 25.	MURRAY, WALTER .. ..	Rose Cottage, Lower Heysham, Morecambe.
1901 Dec. 11.	MYERS, GEORGE DOUGLAS ..	51 Waterloo Road, Smethwick, Birmingham.
1901 Dec. 3.	{ NAPIER, ARTHUR GEORGE FRITZ, B.Sc. ( <i>Victoria</i> ) .. ..	29 Fermoy Road, Maida Hill, W.
1898 Dec. 6.	NARIMAN, RUSTOM KAIKHASER	P.W.D., Paripat, Punjab.
1898 Nov. 8.	NESHAM, HUGH PERCY .. ..	Claremont House, Kingston-on-Thames.
1902 Mar. 25.	NETTELTON, OSCAR TRAVES ..	{ 47 St. Mary Abbott's Terrace, Kensington, W.
1898 Dec. 20.	NEWTON, HENRY CECIL EARLE	62 Addison Road, W.
1902 Feb. 4.	{ NEWTON - CLARE, EDWARD THOMAS .. .. .. ..	The Ferns, Beckenham, Kent.
1897 Nov. 23.	NICHOLSON, FRANCIS HENRY ..	{ c.o. H. J. Newbery, 25 Cliveden Place, Eaton Square, S.W.
1900 Nov. 27.	NISBET, WALTER SELWYN ..	The Old House, Wimbledon.
1901 Mar. 26.	NIVEN, ERNEST CUMMING ..	Linden Avenue, East Newport, Fifeshire.
1899 Mar. 21.	NORMAN, FRANK .. .. ..	The Pines, Epsom.
1900 Feb. 13.	{ NORRIE, CHARLES MATTHEW, B.Sc. ( <i>St. Andrews</i> ) .. ..	{ D. & C. Stevenson, 84 George Street, Edinburgh.
1900 Nov. 27.	NORSWORTHY, HERBERT HENRY	60 Bryn Road, Swansea.
1899 Nov. 28.	NORTHCOTE, HENRY FELIX ..	Niagara, Elsec Road, Rugby.
1899 Feb. 7.	NUNES, LIONEL GEORGE .. ..	14 Palace Court, Bayswater, W.
1896 Dec. 1.	ODDY, JAMES, B.Sc. ( <i>Victoria</i> )	68 Springhurst, Shipley, Yorks.
1902 Jan. 28.	OGSTON, HAMISH NORMAN ..	10 Regent Terrace, Edinburgh.
1900 Nov. 27.	OKE, ALFRED LIVINGSTONE ..	Redruth, Cornwall.
1899 Nov. 28.	{ OLSZEWSKI, MATTHEW BRON- ISLAS DE .. .. .. ..	
1898 Nov. 8.	OMMANNEY, GEOFFREY GREAM	10 Liverpool Street, Dover.
1901 Dec. 3.	ORME-WEBB, JAMES RODNEY ..	15 Mornington Road, Bow, E.
1902 Jan. 21.	{ ORMISTON-CHANT, THOMAS CLEMENT .. .. .. ..	49 Gower Street, W.C.
1901 Dec. 11.	OSMOND, HAROLD .. .. ..	Laurel Farm, Totteridge.
1901 Nov. 19.	O'SULLIVAN, JOHN .. .. ..	{ 10 St. Patrick's Terrace, Lower Glandine Road, Cork.
1898 Mar. 15.	O'TOOLE, EDWARD .. .. ..	Tees Valley Water Board, Grassholme, Mickleton, Darlington.
1899 Nov. 28.	OTTO, RYNO JOHN PIET ..	Govt. Rys, Maritzburg, Natal.
1898 Feb. 1.	OTWAY, JAMES HASTINGS ..	28 Earlsfort Terrace, Dublin.
1901 Nov. 19.	OTWAY, PERCY MACEWAN ..	University College, Bristol.
1899 Nov. 28.	OULTON, LEONARD .. .. ..	Hillside, Gateacre, Liverpool.
1901 Dec. 17.	{ PAIN, EDWARD DAVY, B.A. ( <i>Cantab.</i> ) .. .. ..	17 Victoria Street, S.W.
1898 Nov. 22.	PARKER, WILLIAM ALEXANDER	{ W. R. Copland, 146 West Regent Street, Glasgow.
1898 Nov. 8.	PARKINSON, PAUL GERHARDT	{ Carleton House, Hillfield Avenue, Hornsey, N.

Date of Admission.	STUDENTS.	
1898 Nov. 22.	PATERSON, CLIFFORD COPLAND	82 Sonneggstrasse, Zürich.
1899 Nov. 28.	PATRICK, WILLIAM .. ..	34 Harehills Avenue, Leeds.
1901 Dec. 11.	PATTERSON, FRANCIS TUCKER.	Baldry & Yerburgh, Uplyme, Devon.
1899 Nov. 28.	PAVRY, FAREDOON CURSETJI ..	Navsari, <i>via</i> Bombay.
1901 Mar. 26.	PAXTON, CHARLES HENRY ..	M. & G. N. Rys., Breydon Viaduct, Great Yarmouth.
1901 Nov. 19.	PAYNE, LAWRENCE TEMPLE ..	Central Technical College, Exhibition Road, S.W.
m 1899 Mar. 28.	PEACH, FLEETWOOD KEIGHLY	23 Eccleston Square, S.W.
1899 Nov. 28.	PEARCE, NATHANIEL .. ..	Aughton, near Ormskirk.
1900 Mar. 27.	PEARSON, CHARLES DEARNE ..	Woodland House, Woodland Road, Clifton.
1901 Nov. 19.	{ PEARSON, ROBERT JOHN ADDISON, B.Sc. ( <i>Victoria</i> ) .. .. }	72 Ranby Road, Endcliffe, Sheffield.
1900 Mar. 27.	PEAT, JAMES BARCLAY .. ..	Wykeham Rise, Totteridge, Herts.
1899 Mar. 28.	PEEL, REGINALD .. ..	Fort Jameson, Rhodesia.
1900 Nov. 27.	{ PENNELL, REGINALD HUMPHREY LEE .. .. .. }	Eaton Socon, Sutherland Grove, Southfields, S.W.
1899 Nov. 28.	PETHICK, GEORGE HAROLD ..	Trewhtha, Weston-super-Mare.
1902 Feb. 4.	{ PEYRECAVE, LOUIS FRANÇOIS DE PEYRECAVE .. .. .. }	2 Park Villas, Park Crescent, Erith, Kent.
1899 Dec. 12.	PEYTON, HELMUTH PENDENNIS	137 Holland Rd., Kensington, W.
1899 Mar. 21.	PHEAR, GILBERT ASHLEIGH ..	{ c.o. Sir J. B. Phiar, Marpool, near Exmouth.
1898 Mar. 15.	PHILLIPS, ARTHUR ERNEST ..	Torrington House, St. Albans.
1899 Mar. 28.	PHILLIPS, EDWARD DOUGLAS ..	18 Prospect Road, St. Albans. [W.
1897 Nov. 23.	PHIPPS, NEVILLE LECKONBY ..	20 Margaret Street, Cavendish Sq., The Hirst, Saltaire, Shipley, Yorks.
1901 Mar. 26.	PICKLES, FRANK ATKINSON ..	5 Gwendolen Avenue, Putney, S.W.
1902 Mar. 25.	PINK, EDWARD SIDNEY .. ..	25 Roman Road, Colchester.
1901 Nov. 19.	PLANTE, STANLEY GEDGE ..	{ Cotswold, Glamorgan Road, Hampton Wick.
1898 Nov. 22.	PLUMPTON, JOHN DUDLEY ..	Portland Park, Hamilton, N.B.
1901 Apr. 16.	POLLOK, JOHN .. .. ..	10 Jasper Street, Hanley, Staffs.
1901 Dec. 11.	POOL, HAROLD .. .. ..	Hatfield, The Grove, Slough.
1902 Mar. 11.	POPE, ARTHUR .. .. ..	{ Shelford Villa, Blineo Grove, Cambridge.
1897 Nov. 10.	{ POWELL, HERBERT JAMES BINGHAM .. .. .. }	28 Little Chester Road, Derby.
1901 Nov. 19.	PRATT, FRANCIS GERALD ..	Madras Railway, Arkonam, Madras.
1898 Mar. 29.	{ PRENDERGAST, HUBERT HEW LORRAINE .. .. .. }	61 Lovaine Place, Newcastle-on-Tyne.
1898 Feb. 1.	PRICE, BERNARD .. .. ..	{ The Ferus, Church St., Old Hill, Staffs.
1896 May 19.	{ PRIEST, SAMUEL BENJAMIN, B.Sc. ( <i>Birm.</i> ) .. .. .. }	Hillfoot, Ben Rhydding, <i>via</i> Leeds.
1896 Nov. 16.	{ PRIESTMAN, HAROLD, B.Sc. ( <i>Victoria</i> ) .. .. .. }	Royal Indian Engineering College, Staines.
1902 Jan. 28.	PURI, KASHI RAM .. .. ..	112 Bridge Street, Warrington.
1902 Mar. 25.	RAFFETY, SIDNEY ROBERT ..	43 Erleigh Road, Reading.
1902 Jan. 28.	RATTENBURY, OSCAR BRANCH	39 Waterdale, Doncaster.
1899 Nov. 28.	REDMAN, ARTHUR STANLEY ..	Calne, Wiltshire.
1898 Nov. 22.	REID, HAROLD .. .. ..	26 Bramham Gardens, S.W.
1897 Nov. 10.	REID, NORMAN, B.E. ( <i>Sydney</i> )	{ Mount Garnet, North Queensland.
1899 Jan. 24.	RENDELL, ELIAS DE LA ROCHE	46 Dewhurst Road, Kensington, W.
1900 Jan. 16.	RENFREE, THOMAS ROLLS ..	68 Linden Grove, Nunhead, S.E.
1900 Jan. 9.	{ RESTLER, JAMES DOUGLAS KENDALL .. .. .. }	

Date of Admission.	STUDENTS.
1899 Mar. 28.	REYNELL, RICHARD, Jun. .. .. ..
1898 Nov. 8.	REYNOLDS, ALAN .. .. ..
1900 Jan. 9.	RHODES, SAMUEL COLEY .. .. ..
1896 Jan. 14.	RICH, THEODORE .. .. ..
1901 Mar. 12.	RICHARDS, BERTRAM DARELL .. .. ..
1900 Nov. 27.	RICHARDS, NORMAN ESPLIN .. .. ..
1899 Nov. 28.	RICHARDS, WILLIAM BRAILEY .. .. ..
1902 Feb. 4.	RICHARDSON, ALEXANDER .. .. ..
1897 Nov. 10.	{ RICHARDSON, HERBERT LINDSLEY .. .. .. B.A. ( <i>Cantab.</i> ) .. .. .. } Wells.
1897 Apr. 6.	RICHMOND, JOHN WILLIAM .. .. ..
1900 Nov. 27.	RIGG, FREDERICK JAMES .. .. ..
1898 Feb. 22.	RISDON, PHILIP JAMES .. .. ..
1901 Dec. 11.	ROBERTS, CYRIL HUMPHREY .. .. ..
1899 Feb. 7.	ROBERTS, JOHN EDWARD .. .. ..
1899 Nov. 28.	ROBERTS, ROBERT CORYTON .. .. ..
1901 Jan. 22.	ROBERTSON, HUGH BROWN GLYN .. .. ..
1900 Nov. 27.	{ ROBERTSON, JOHN, .. .. .. B.A.I. ( <i>Dublin</i> ) .. .. .. } G. W. Ry., Chipping Sodbury.
1900 Jan. 30.	ROBERTSON, SUTHERLAND, Jun. .. .. ..
1900 Nov. 27.	{ ROBERTSON, WALTER HENRY .. .. .. ANTONIO .. .. .. } 4 Grove Hill Road, Champion Hill, S.E.
1902 Jan. 21.	ROBINSON, FRANCIS BERTRAM .. .. ..
B 1900 Nov. 27.	ROBINSON, ISAAC VINCENT .. .. ..
1900 Dec. 18.	ROBINSON, PERCY JOHN .. .. ..
1895 Nov. 5.	ROBINSON, RALPH .. .. ..
1897 Nov. 10.	ROBINSON, WILLIAM HUBERT .. .. ..
1899 Nov. 28.	ROBINSON, WILLIAM PERCIVAL .. .. ..
1899 Mar. 28.	ROCHER, CHARLES GUILLAUME .. .. ..
1898 Feb. 8.	{ ROLLS, Hon. CHARLES STUART, .. .. .. B.A. ( <i>Cantab.</i> ) .. .. .. }
1900 Nov. 27.	{ ROSENHEIM, ERNEST ALBERT, .. .. .. B.Sc. ( <i>Victoria</i> ) .. .. .. }
1901 Apr. 16.	{ ROSENTHAL, FREDERICK .. .. .. MICHAEL BARBANEL .. .. .. }
1900 Nov. 27.	ROSS, ALFRED PERCY .. .. ..
1898 Nov. 8.	{ ROSSETTI, GABRIEL ARTHUR .. .. .. MADOX .. .. .. .. .. }
1898 Aug. 30.	ROTHERA, PERCY .. .. .. .. ..
1899 Nov. 28.	ROUSE, ALEXANDER MACDONALD .. .. ..
1900 Nov. 27.	{ ROWLEY, JOHN REGINALD .. .. .. PHILLIPS .. .. .. .. .. }
1902 Mar. 25.	ROYCE, BERNARD .. .. .. .. ..
1902 Mar. 25.	ROYSTON, CHRISTOPHER CLARKE .. .. .. .. ..
1900 Dec. 18.	{ RUBENS, HERBERT VICTOR, .. .. .. .. .. B.A. ( <i>Cantab.</i> ) .. .. .. .. .. }
1895 Nov. 5.	RUGG, LEWIS HENRY .. .. .. .. ..
1900 Mar. 27.	RUSSELL, ROBERT .. .. .. .. ..
m 1896 May 5.	RUTHERGLEN, CHARLES ROGERS .. .. .. .. ..
	{ 6 Ashfield Gardens, Jordanhill, Partick, Glasgow.

Date of Admission.	STUDENTS.	
1898 Jan. 25.	{ ST. JOHN-KNELLER, OLIVER ARTHUR GODFREY .. .. }	H.M. Dockyard, Devonport.
1900 Jan. 9.	{ SAIYUT, MOM RAJAWONG, B.A. (Cantab.) .. .. .. }	
1899 Mar. 28.	SALMON, ERNEST HINKLY ..	{ B. Morley Fletcher, 7 Victoria Street, S.W.
1899 Nov. 28.	SAMUEL, RANDOLPH JOHN ..	39 Aunette St., Govanhill, Glasgow.
1901 Nov. 27.	SAMY, MAHMOUD .. .. ..	{ Royal Indian Engineering College, Staines.
1901 Mar. 26.	SANDBERG, NILS PERCY PATRICK ..	9 Bridge Street, Westminster, S.W.
1897 Nov. 10.	{ SANDBERG, OSCAR FRIDOLF ALEXANDER .. .. .. .. }	9 Bridge Street, Westminster, S.W.
1897 Nov. 10.	SARGE, ROBERT ARTHUR .. ..	{ District Engineer's Office, N.E. Ry., York.
1901 Dec. 11.	SATOW, CHARLES FRANCIS ..	{ Central Technical College, Exhibition Road, S.W.
1901 Dec. 17.	SAYERS, REUBEN MARCHANT ..	7 St. Peter's Square, W.
1901 Nov. 19.	SCARD, DUDLEY ISENART ..	68 Gipsy Hill, S.E.
1899 Nov. 28.	SCHOEGERLEIN, FRITZ .. ..	81 Bristol Road, Edgbaston.
1902 Mar. 25.	SCHOFIELD, FRANK .. .. ..	74 Mossley Road, Ashton-under-Lyne.
1901 Mar. 26.	{ SCHOLEFIELD, FRANCIS WILLIAM BERTRAM .. .. .. .. }	Moor End, Dewsbury, Yorks.
1899 Nov. 28.	SCOTT, BERNARD BODLEY ..	
1902 Mar. 25.	SCOTT, HUGH .. .. .. ..	44 Hova Villas, Hove.
1901 Nov. 19.	SCOTT, PERCY ELIOT .. ..	Besford House, Shrewsbury.
1899 Feb. 14.	SEABROOKE, LAWRENCE MENDS ..	27 Wellesley Road, Chiswick, W.
1900 Mar. 27.	SEAGER, JAMES ALBERT .. ..	{ Charing Cross & City Electric Co., Marshgate Lane, Bow, E.
1898 Nov. 22.	SERPELL, DOUGLAS LESLIE ..	{ Derwent Valley Water Board, Bamford, Sheffield.
1901 Nov. 19.	{ SETH-SMITH, LESLIE, B.A. (Cantab.) .. .. .. }	A. T. Walmsley, 9 Victoria Street, S.W.
1897 Nov. 10.	SEWELL, LOUIS HILGROVE ..	{ c/o H. Sewell, 56 Warrington Crescent, Maida Vale, W.
1897 Nov. 10.	SHARPLEY, REGINALD .. ..	25 Westbourne Park Road, W.
1899 Jan. 31.	{ SHAW, JOHN WHITE, B.A., B.E. (Royal) .. .. .. }	1 Ailsa Terrace, Bangor, co. Down.
1899 Nov. 28.	SHELLEY, WILLIAM JOHN ..	80 The Common, Upper Clapton, N.
1897 Apr. 6.	SHEPHERD, PERCY EDWARD ..	{ Engineer's Office, L. & Y. Ry., Hunt's Bank, Manchester.
1900 Nov. 27.	SHEPLEY, JOHN THORPE ..	{ Heath Villa, Woolwich Road, Belvedere, Kent.
1897 Nov. 10.	SHERREN, ARTHUR OSWALD ..	Boro' Engineer's Office, Dover.
1900 Nov. 27.	SIBBALD, SAMUEL KAY ..	P.W.D., Kuala Kangsar, Perak, S.S.
1901 Jan. 15.	SIBETH, AUSTIN .. .. .. ..	{ Manor House, Sutton Park, Guilderford.
1902 Feb. 4.	SIDEBOTTOM, JOHN KERCHEVAL ..	Manor House, Hollingworth, Cheshire.
1901 Dec. 17.	SILCOX, LEONARD ERNEST ..	H. B. Niehols, 11 Victoria St., S.W.
1899 Mar. 28.	SILLITO, WILLIAM CHARLES ..	{ Engineer and Surveyor's Dept., Public Buildings, Ealing, W.
1900 Nov. 27.	SIMEON, CHARLES JOHN ..	
1899 Apr. 11.	SIMMS, WILLIAM .. .. ..	{ 17 Waldegrave Road, Upper Norwood, S.E.
1898 Nov. 8.	SIMON, ERNEST DARWIN ..	Pembroke College, Cambridge.
1898 Feb. 8.	SIMPSON, RICHARD CHRISTOPHER ..	Morecroft, Manor Rd., Twickenham.
1898 Nov. 29.	SINCLAIR, ALFRED ROBERT ..	13 Gibson Street, Hillhead, Glasgow.
1901 Nov. 27.	SINGH, BĀWĀ RAMNEEK ..	{ Royal Indian Engineering College, Staines.
1897 Mar. 29.	SKINNER, CLIFTON MACLEAN ..	{ 2 St. Paul's Terrace, Newcastle-on-Tyne.

Date of  
Admission.

## STUDENTS.

1899 Nov. 28.	{ SLADEN, CECIL GORDON KEN- NEDY .. .. .. .. }	
1896 Dec. 15.	SLAUGHTER, FREDERICK .. ..	Jarvis Villa, Steyning, Sussex.
1898 Nov. 8.	SMITH, ALBERT BROMLEY ..	117 East Dulwich Grove, S.E.
1900 Nov. 27.	SMITH, CYRIL GRAHAM ..	61 Elgin Crescent, Notting Hill, W.
1896 Feb. 4.	SMITH, EGBERT WYON .. ..	{ 9 Queenswood Road, Forest Hill, S.E.
1901 Dec. 17.	SMITH, GAVIN TROTMAN BRODIE	Govt. Railway, Lagos, West Africa.
1897 Apr. 6.	{ SMITH, KENNETH BASIL .. WOODD .. .. .. .. }	2 Elm Villas, Elm Row, Hamp- stead, N.W.
1900 Nov. 27.	SMITH, LEONARD MOUNTFORD ..	70 Ritherdon Road, Balham, S.W.
1901 Nov. 19.	SMITH, ROBERT MELVILLE ..	King's College, Strand, W.C.
1899 Nov. 28.	SMITH, THORNTON BROWN ..	{ c.o. Warren Smith, 66 College St., Chelsea, S.W.
1897 Jan. 12.	SMITH, WILLIAM FREDERICK ..	{ Swan Hotel, Sherburn-in-Elmet, Yorks.
1901 Mar. 26.	SMITH, WILLIAM FREDERICK ..	30 Victoria Road, Gipsy Hill, S.E.
1899 Nov. 28.	{ SNAPE, ALFRED ERNEST, B.Sc. ( <i>Victoria</i> ) .. .. .. }	2 Heywood Street, Cheetham, Man- chester.
1897 Mar. 29.	SNELLGROVE, CHARLES HERBERT	Ashurst, New Milton, Hants.
1900 Nov. 27.	SOUTH, GEOFFREY WRENCH ..	104 High Holborn, W.C.
1899 Mar. 28.	SOUTHERNS, LEONARD ..	55 Dudley Road, Tipton, Staffs.
1898 Nov. 8.	SPARROW, CLAYTON STALLARD	132 Selhurst Road, S.E.
1901 Nov. 27.	SPARTALI, MICHAEL .. ..	{ Park House, Englefield Green, Surrey.
1900 Nov. 27.	SPEECHLY, EDWARD .. ..	37 Chatsworth Road, W. Norwood.
1898 Nov. 8.	{ SPENCER, EDMUND STONE, B.Sc. ( <i>Victoria</i> ) .. .. .. }	5 Elm Grove, Taunton.
1902 Mar. 25.	SPENCER, EVELYN .. .. ..	{ Sandford Lodge, Southbourne, Christchurch, Hants.
1900 Dec. 18.	SPILSBURY, LIONEL BRUCE ..	{ Royal Indian Engineering College, Staines.
1901 Nov. 19.	SPONG, JAMES LEONARD ..	19 Ventnor Villas, Hove.
1902 Mar. 25.	SPOONER, ARTHUR DOUGLAS ..	33 Great George Street, S.W.
1898 Nov. 8.	STACEY, WILLIAM HENRY ..	Ingleside, Coleshill, Warwickshire.
1895 Dec. 3.	STANDEN, HUGH WYATT ..	40 Courtfield Gardens, S.W.
1898 Nov. 8.	{ STANGER, REGINALD HARRY .. HURSTHOUSE .. .. .. }	33 Ladbroke Grove, W.
1901 Nov. 27.	{ STANIER, CHARLES EDWARD, B.Sc. ( <i>Lond.</i> ) .. .. .. }	Engineer's Office, G.W. Ry., Pad- dington, W.
1901 Mar. 26.	STEINBERG, HERBERT EDWARD ..	43 Parliament Hill, N.W.
1901 Nov. 27.	STEINTHAL, PAUL TELFORD ..	St. John's, Ilkley, Yorks.
1900 Dec. 18.	STELFOX, SYDNEY HERBERT ..	{ 18 Moreton Avenue, Stretford, Manchester.
1899 Mar. 28.	STEVENS, HERBERT LESLIE ..	9 Station Road, Watford.
1898 Mar. 29.	STEVENSON, ERNEST PERCY ..	{ Gasworks, Stafford Road, Wolver- hampton. [S.W.]
1901 Nov. 19.	STEWART, BASIL .. .. ..	52 Redcliffe Gardens, Kensington,
1898 Nov. 8.	{ STEWART, CHARLES HENRY, B.Sc. ( <i>Victoria</i> ) .. .. .. }	Belmont Mine, Cordova, Ont., Canada.
1901 Feb. 12.	{ STRANG, WILLIAM GUTHRIE, B.Sc. ( <i>Glas.</i> ) .. .. .. }	Eastbank, Glenburn Rd., Bearsden, Glasgow.
1901 Nov. 19.	STRINGER, HAROLD .. .. ..	2 Stokeville, Stoke-on-Trent.
1895 Oct. 22.	STUART, FRANK DONALD ..	Boro' Engineer's Office, Lincoln.
1899 Nov. 28.	{ SVENSSON, GILLIS, B.Sc. ( <i>Victoria</i> ) .. .. .. }	1 Nelson Terrace, Coatham, Redcar.
1897 Nov. 10.	SWALES, JOHN KIRBY .. ..	City Engineer's Office, Leeds.
1901 Nov. 19.	SWAN, PERCIVAL .. .. ..	King's College, Cambridge.
1899 Feb. 21.	SWEETMAN, WALTER ALOYSIUS	

Date of  
Admission.

## STUDENTS.

1900 Nov. 27.	{ TAYLOR, JOHN HAROLD CLAY- FIELD .. . . . .}	19 Woodchurch Road, West Hampstead, N.W.
1896 Dec. 22.	TAYLOR, JOHN REGINALD ..	Haygarth House, Chester.
1897 Nov. 23.	TAYLOR, PERCY .. . . .	Council Offices, Ilford, E.
1897 Mar. 2.	TEDMAN, CYRIL .. . . .	G.I.P. Ry., Jhansi, N.W.P., India.
1898 Dec. 6.	TENNANT, CHARLES .. . .	
1902 Jan. 28.	THATCHER, IVAN JAMES ..	{ 124 Cromwell Road, Montpelier Bristol.
1900 Nov. 27.	{ THISELTON-DYER, GEORGE- HENRY, B.A. ( <i>Cantab.</i> ) ..	Royal Gardens, Kew.
1900 Mar. 27.	THOMAS, JOHN VICK .. . .	14 Alexander Road, Gloucester.
1900 Mar. 27.	THOMPSON, EDWARD HORACE ..	183 The Grove, Denmark Hill, S.E.
1902 Mar. 25.	{ THOMPSON, GEORGE NORMAN- VERE .. . . . .}	Ferndale, Richmond Road, Crewe.
1900 Nov. 27.	THOMPSON, MICHAEL STEPHEN ..	28 Campden Hill Square, W.
1900 Mar. 6.	{ THOMPSON, THOMAS WILLIAM- B.A. ( <i>Cantab.</i> ) .. . . .	Clonskeagh Castle, co. Dublin.
1898 Oct. 6.	THOMPSON, WADE .. . . .	{ Boro' Engineers' Office, Burton-on- Trent.
1897 Jan. 12.	THORNE, ALFRED JOHN PARKER ..	7 Carteret Street, Westminster, S.W.
1901 Mar. 26.	THORNE, PHILIP HOWARD ..	{ c/o A. Thorne, 191 Willesden Lane, Brondesbury, N.W.
1900 Mar. 6.	THORNHILL, WILLIAM JOHNSON ..	P.W.D., Colombo, Ceylon.
1897 Nov. 10.	THORNTON, ERNEST .. . .	The Poplars, Chidswell, Dewsbury.
1898 Dec. 20.	THORNTON, GILBERT MILLER ..	Govt. Rys., Uitenhage, Cape Colony.
1901 Nov. 27.	THORNCROFT, ISAAC THOMAS ..	Eyot Villa, Chiswick Mall, W.
1899 Nov. 28.	{ THORPE, WILLIAM ALFRED- CHARLES .. . . . .}	c/o Mrs. Thorpe, 38 Cambridge Terrace, Hyde Park, W.
1899 Nov. 28.	{ THUBRON, JOHN BROWN- SYDNEY .. . . . .}	Sukkur, Sind, India.
1898 Nov. 8.	TISDALE, ALFRED DOUGLAS ..	Heatherwold, Oxshott, Surrey.
1901 Nov. 19.	TODD, HERBERT .. . . .	{ Heath Cottage, Gweedore, co. Donegal.
1897 Dec. 7.	Tomlinson, EDWARD THEODORE ..	8 St. George's Square, S.W.
1901 Nov. 27.	Tomlinson, JOHN WILLIAM ..	St. Mary's Hall, Coventry.
1900 Nov. 27.	{ TOPLEY, JOHN WHITEMAN MOR- LAND .. . . . .}	Humphreys & Glasgow, 38 Victoria Street, S.W.
1898 Nov. 8.	TOVEY, HENRY TURNER ..	251 Maidstone Road, Rochester.
1901 Mar. 26.	TREDCROFT, ARTHUR FRANCIS ..	Holmleigh, Rock Ferry, Liverpool.
1897 Mar. 29.	{ TREE, PHILIP BEAGLEY LE- DESPIENCER .. . . . .}	Royal Indian Engineering College, Staines.
1902 Mar. 25.	TREMLETT, PERCIVAL MERVYN ..	Fair Park, Magdalen Road, Exeter.
1898 Dec. 6.	{ TRESSLER, KARL THEODOR- BERTHOLD .. . . . .}	9 Ridge Road, Stroud Green, N.
1899 Nov. 28.	TRIER, FRANK NEWTON ..	6 The Terrace, Champion Hill, S.E.
1902 Feb. 4.	TRIPP, GEORGE WALTER ..	13 Grafton Road, Bedford.
1900 Nov. 27.	TUDOR, FREDERIC EDWARD ..	{ District Engineer's Office, N. E. Ry., York.
1900 Nov. 27.	TURNER, ELWYN MEYRICK ..	{ 3 Windermere Road, Muswell Hill, N.
1898 Nov. 8.	TURNER, SYDNEY GEORGE ..	23 Earl's Court Gardens, S.W.
1896 Nov. 16.	TURNER, VINCENT .. . . .	{ City Engineer's Office, 1 Pimlico Road, S.W.
m † 1896 Dec. 1.	TYACK, ARTHUR HENRY ..	
1900 Nov. 27.	{ TYRELL, GEORGE NUGENT- MERLE .. . . . .}	11 Norfolk Square, Hyde Park, W.

Date of  
Admission.

## STUDENTS.

1899 Dec. 12.	UNNA, PERCY JOHN HENRY ..	12 Lancaster Gate, W.
1898 Jan. 25.	UNWIN, HOWARD BUCKLEY ..	1 Newton Grove, Bedford Park, W.
1898 Nov. 22.	{ UPTON, HENRY HERBERT SYDNEY .. .. .. .. } ..	P.W.D., Hill Bungalow, Kwala Pilah, Negri Sembilan, Malay States.
1900 Mar. 27.	UPTON, MITCHELL HENRY ..	
1896 Mar. 10.	VEASEY, JOHN HERBERT .. ..	{ Ayrshire Mine, Lomagunda, Rhos-
1898 Nov. 22.	VENABLES, ARTHUR VINCENT ..	desia e.o. A. P. Venables, 81 Crouch Hill, N.
1901 Mar. 26.	WALES, WILLIAM ARTHUR ..	4 Belgrave Crescent, Scarborough.
1899 Nov. 28.	WALKDEN, SAM LEONARD ..	Eastern Cottage, East Finchley, N.
1901 Jan. 8.	{ WALKER, ARCHIBALD CRAIG, B.Sc. ( <i>Glas.</i> ) .. .. .. } ..	256 Renfrew Street, Glasgow.
1900 Mar. 27.	WALKER, GEORGE .. .. ..	{ Firs Brake, Leckhampton, Chelten- ham.
1900 Dec. 18.	WALKER, JOHN CLIVE .. ..	{ 41 Hamilton Terrace, St. John's Wood, N.W.
1900 Apr. 3.	{ WALKER, THOMAS ARCHIBALD B.A. ( <i>Cantab.</i> ) .. .. .. } ..	56 Claverton Street, Pimlico, S.W.
1897 Nov. 23.	WALKEY, OLIVER ROWLAND ..	{ Portlet, Down View Road, West Worthing.
1900 Mar. 27.	WALMSLEY, HAROLD .. ..	{ Arncliffe, Whitegate Drive, Black- pool. [S.W.]
m 1896 Nov. 16.	WALSH, ARTHUR CLIFFE ..	Pearson & Son, 10 Victoria Street,
1899 Nov. 28.	{ WALSH, EDMUND WILLIAM PATRICK .. .. .. .. } ..	
1902 Mar. 25.	WALTON, ARTHUR MOORE ..	{ 12 Little College Street, West minster, S.W.
1899 Jan. 10.	WALTON, EUSTACE BALL ..	{ J. E. Walton, 4 Norfolk Villas, Mus- grave Road, Durban, Natal.
1899 Mar. 28.	WALTON, JOHN SEWELL ..	Town Hall Chambers, Torquay.
1899 Mar. 28.	WARD, ARTHUR WALBURGH ..	Borough Engineer's Office, Batley.
1900 Nov. 27.	WARD, EBENEZER THOMAS ..	Engineer's Office, Tilbury Docks.
1901 Nov. 19.	WARNER, HAROLD METFORD ..	44 Highbury Park, N.
1898 Nov. 29.	WARRACK, JOHN, B.Sc. ( <i>Glas.</i> ) ..	Edison-Swan United Electric Light Co., Ponders End, N.
1899 Nov. 28.	WARWICK, HUGH BRANSTON ..	King, King & Co., Bombay.
1897 Jan. 12.	WATERHOUSE, GILBERT .. ..	East Grove, Rhayader, Rad.
1901 Dec. 3.	{ WATERMEYER, THEODORE HEINBICH .. .. .. .. } ..	Colonies Plaats, Graaff Reinet, Cape Colony.
1897 Dec. 7.	WATERS, WILLIAM .. .. ..	8 Hanover Street, Warrington.
1901 Nov. 19.	{ WATNEY, WILLIAM HERBERT, B.A. ( <i>Cantab.</i> ) .. .. .. } ..	Thames Ironworks, Blackwall, E.
1896 Dec. 1.	WATSON, HAROLD GEORGE ..	City Engineer's Office, Hull.
1901 Dec. 3.	WATSON, HUGH SEXTUS ..	76 Hereford Road, Bayswater, W.
1899 Jan. 31.	WATSON, JOHN FRANCIS ..	38 Eglantine Avenue, Belfast.
1901 Mar. 26.	WATT, JAMES .. .. .. ..	3 Golden Square, Aberdeen.
1901 Nov. 19.	WATTS, SIDNEY JOHNSON ..	117 Dean Street, Swindon.
1899 Nov. 28.	WATTS, STAFFORD TRACEY ..	Box 4181, Johannesburg, Transvaal.
1898 Mar. 29.	WEBBER, JOHN FREDERICK ..	{ Devonshire House, Alderbrook Rd., Balham, S.W.
1900 Apr. 3.	WEDGWOOD, ARTHUR FELIX ..	{ 7 Sydenham Terrace, Newcastle-on- Tyne.
1900 Jan. 9.	WEEKLEY, CHARLES, B.A. ( <i>Cantab.</i> ) ..	35A Great George Street, S.W.
1900 Nov. 27.	WELCH, RICHARD HUBBARD ..	{ Engineer's Office, Midland Ry., Heysham, Morecambe.

Date of  
Admission.

## STUDENTS.

1899 Dec. 5.	WELLER, WALTER KIRKWOOD	{ P.W.D., Coolgardie Water Scheme Branch, Perth, Western Australia.
m 1898 Nov. 8.	{ WELLS, LIONEL FORTESCUE, B.Sc. ( <i>Victoria</i> ) .. .. ..	l. & Y. Ry., Kirkham, Lancs. Beeche, Duval & Co., 25 Broad St., New York, U.S.
1901 Mar. 5.	WESSEL, HARRY LUIS .. .. ..	{ Shoubra Road, Cairo, Egypt.
1898 Dec. 6.	WEST, EDWARD THEOBALD .. .. ..	Egyptian State Rys., Cairo.
1896 Dec. 1.	WESTERN, HUGH .. .. ..	{ }Hooe, Battle, Sussex.
1898 Nov. 8.	{ WESTON, CHARLES FRANCIS RUSSELL NUGENT .. .. ..	Marine Cottage, Knottingley, Yorks.
1901 Dec. 17.	WETHERALL, ARTHUR .. .. ..	Waltham House, Wirksworth.
m ♀ 1899 Nov. 28.	{ WHEATCROFT, KENNETH DOUGLAS .. .. ..	160 Hope Street, Glasgow.
1897 Nov. 23.	WHIGHAM, GEORGE HAY .. .. ..	27 Westbourne Park, Scarborough.
1898 Nov. 8.	{ WHITAKER, JOHN STANLEY, B.Sc. ( <i>Victoria</i> ) .. .. ..	56 Claude Road, Cardiff.
1899 Nov. 28.	WHITE, COLIN ROBERT .. .. ..	63 Daisy Hill, Dewsbury.
1897 Nov. 10.	{ WHITE, ERNEST CLARK, B.Sc. ( <i>Victoria</i> ) .. .. ..	Deighton Grove, York.
1902 Apr. 22.	WHITEHEAD, ALAN OCTAVIUS .. .. ..	44 Frogmire, Hampstead, N.W.
1901 Apr. 16.	WHITLEY, ROGER, B.A. ( <i>Cantab.</i> ) .. .. ..	{ 26 Kenilworth Court, Putney Bridge, S.W.
1900 Mar. 27.	WHITTINGTON-COOPER, ALFRED .. .. ..	59 Earlsfield Road, Wandsworth, S.W.
1901 Nov. 19.	WHITTLE, BERTRAM ARTHUR .. .. ..	W. Cory & Son, Slipway, Erith.
1899 Nov. 28.	WHITTLE, FREDERIC EDWIN .. .. ..	Bellahouston House, Glasgow.
1896 Nov. 24.	WHITTON, PETER ISLES .. .. ..	{ 202 Northeote Rd., Walthamstow, N.E.
1899 Nov. 28.	WHYTE, ALEXANDER HORNEY .. .. ..	City Surveyor's Office, Sheffield.
1899 Dec. 5.	WICKHAM, JOHN AVENEL .. .. ..	{ 83 Thornton Street, West Hartlepool.
1896 Jan. 7.	WIDNALL, GEORGE WILLIAM .. .. ..	The Sycamores, Pelsall, Walsall.
1899 Mar. 28.	WILEY, FRED .. .. ..	Boro' Engineer's Office, Batley.
1897 Nov. 10.	WILKES, JOSEPH ERNEST .. .. ..	11 Weld Road, Birkdale, Southport.
1899 Nov. 28.	WILKINSON, NEWMAN .. .. ..	W. Cory & Son, Slipway, Erith.
1900 Nov. 27.	WILLIAMS, ALFRED GLYN .. .. ..	Williams, James Stanley .. .. ..
1899 Mar. 28.	WILLIAMS, JAMES STANLEY .. .. ..	Glasfryn, Chwilog, N. Wales.
1900 Jan. 30.	{ WILLIAMS-ELLIS, RUPERT GREAVES .. .. ..	Derwent Valley Water Board, Bamford, Sheffield.
1899 Mar. 28.	WILLIAMSON, ANDREW .. .. ..	{ The Old Rectory House, Wimbledon Park.
1899 Mar. 28.	WILLSON, CYRIL FREDERICK .. .. ..	Huddersfield Road, Birstall.
1896 Dec. 1.	WILSON, ALBERT .. .. ..	Town Hall, Wood Green, N.
1896 Nov. 16.	WILSON, HARRY BERTRAM .. .. ..	{ Engineering School, Crystal Palace, S.E.
1900 Mar. 27.	WILSON, JOSEPH DOUGLAS .. .. ..	Hoton, Loughborough.
1901 Mar. 26.	WILSON, JOSEPH LUPTON .. .. ..	{ 380 Liverpool Road, Patricroft, Manchester.
1900 Nov. 27.	WIMBUSH, HENRY LAWRENCE .. .. ..	10 Bellevue Road, Southampton.
1899 Nov. 28.	{ WINDSOR, DOUGLAS HALLI- BURTON .. .. ..	{ 3 Leamington Villas, Chiswick Lane, W.
1901 Feb. 12.	WINGFIELD, GODFREY LEE .. .. ..	Cotteswold, Hathersage, Sheffield.
1898 Nov. 8.	WINTER, ERNEST CHARLES .. .. ..	Greenisland, Belfast.
1900 Mar. 27.	WISE, JAMES BERKELEY .. .. ..	10 Stanley Villas, Runcorn.
1900 Mar. 27.	WISWALL, WALTER HARTLEY .. .. ..	{ } 4 Hornby Road East, Blackpool.
1899 Mar. 28.	{ WOLSTENHOLME, FREDERIC GEORGE .. .. ..	Grasmere, Hendon Lane, Finchley.
1901 Dec. 3.	WONTNER-SMITH, HOWARD .. .. ..	Osborne House, Barnsley.
1902 Jan. 21.	WOOD, ALPHONSE WOOD, Jun.	Temple Newsam, Leeds.
1901 Dec. 17.	WOOD, FRANCIS HUGO LINDLEY .. .. ..	11 Kellie Place, Alloa, N.B.
1901 Mar. 26.	WOOD, WILLIAM WELLESLEY .. .. ..	King's College, Strand, W.C.
1900 Nov. 27.	WOODWARD, EDWARD .. .. ..	

Date of Admission.	STUDENTS.	
1902 Feb. 11.	WOOLDRIDGE, EDWARD PERCY ..	Oakleigh, Fareham, Hants.
1900 Nov. 27.	WRAGG, HERBERT .. ..	{Walshaw Dean Reservoir, Hebden Bridge.
1900 Mar. 27.	WRAY, PETER REMUS .. ..	42 Tollington Road, Holloway, N.
1900 Mar. 27.	WRAY, ROMULUS PAUL .. ..	Wray's Folly, Woodcote, Reading.
1899 Jan. 31.	WRIGHT, ERNEST WILLIAM BELL ..	York Villa, Stanwise, Carlisle.
1900 Mar. 27.	WRIGHT, FRANK WILSON .. ..	27 Coleshill Street, Atherton.
1898 Mar. 15.	WYATT, ARCHIBALD FREDERICK .. ..	S.M. Ry., Guntur, Madras.
1900 Jan. 9.	WYATT, GEORGE .. ..	67 St. Giles, Oxford.
1901 Dec. 17.	YOUNG, CYRIL ROE MUSTON ..	15 Victoria Street, S.W.
1901 Nov. 19.	YOUNG, GEORGE SHIEL ..	{Niven and Haddin, 131 West Regent Street, Glasgow.
1901 Mar. 26.	ZAMBRA, JOSEPH BENTLEY ..	{Fontenoy, Finchley Road, Hampstead, N.W.
Total number of Students .. ..		896.





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